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1913/14

CANISIUS COLLEGE

BUFFALO, N. Y.

ANNUAL CATALOGUE
FORTY-FOURTH YEAR
1913-1914

A. M. D. G.

Forty-fourth Annual Catalogue

OF

CANISIUS COLLEGE

BUFFALO, N.Y.

1913-1914

1914

JANUARY

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CALENDAR

1914

September
1—Tuesday. } Entrance Examinations. Examinations of Conditioned Students.
2—Wednesday. } Registration.

3—Thursday. Opening of Classes. Mass of the Holy Ghost at 9 A. M. Reading of Class Lists in Hall. *Schola Brevis.*

29—Tuesday. Marks for September close.

30—Wednesday. }
October 1—Thursday. } Annual Retreat.
2—Friday. }

3—Saturday. Weekly Holiday.

12—Monday. Columbus Day.

31—Saturday. Marks for October close.

November 24—Tuesday. Marks for November close.

26—Thursday. Thanksgiving Day.

December 1—Tuesday. Public Specimen in Natural Sciences.

8—Tuesday. Feast of the Immaculate Conception. Holyday.

22—Tuesday. Marks for December close. Christmas recess begins at 2:50 P. M.

1915

January 4—Monday. Classes resumed. Reading of marks for December. Repetitions begin. Examination in English Composition.

19—Tuesday. Written Examinations begin.
26—Tuesday, 28—Thursday, 29—Friday. } Oral Examinations in Philosophy.
30—Saturday } Oral Examinations.
February 1—Monday. } Sophomore and Freshmen.
2—Tuesday. Mid-year Holiday.
4—Thursday. Second Term begins. Reading of Marks of Examination.
5—Friday. Preliminary Contest for Oratorical Medal, 3 P. M.
12—Friday. Lincoln Day.
22—Monday. Washington's Birthday.
27—Saturday. Marks for February close.

March 1—Monday. Announcement of subjects for prize essays.
16—Tuesday. Public Oratorical Contest.
30—Tuesday. Marks for March close. Easter vacation begins at 2:50 P. M.

April 7—Wednesday. Classes resumed.
23—Friday. Rector's Day.

May 4—Tuesday. Public Debate for Canisius Alumni Sodality Medal.
8—Saturday. Last day for handing in prize essays. Marks for May close.
10—Monday. Repetitions begin. Examination in English Composition.
13—Thursday. Ascension Day. Holyday.
27—Thursday. Public Disputation in Philosophy.
31—Monday. Memorial Day.

June 4—Friday. Feast of the Sacred Heart of Jesus. Reception into the League.
5—Saturday. Written Examinations begin.
11—Friday, 12—Saturday, 14—Monday. } Oral Examinations in Philosophy.
13—Sunday. Baccalaureate Sermon in St. Michael's Church.
15—Tuesday. Oral Examinations of Sophomores and Freshmen begin.
15—Tuesday, 16—Wednesday, 17—Thursday. } Retreat to Graduating Class.
19—Saturday. General Communion Day.
20—Sunday. Annual Commencement.

CANISIUS COLLEGE

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CANISIUS COLLEGE

This institution, conducted by the Fathers of the Society of Jesus, was opened in September, 1870, and incorporated on January 11th, 1883, by the Regents of the University of the State of New York, under the corporate title of

"The Canisius College of Buffalo, N. Y."

and empowered to confer degrees and academic honors. On October 25th, 1906, the charter of the College was amended so as to include the High School or Academic department.

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REV. J. HAVENS RICHARDS, S. J., *Vice-President.*
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Moderator of Debating Society.

REV. JOHN G. HACKER, S. J.
Professor of Classics and English in Freshman Class, Sec. A.
Director of Orchestra and Glee Club.

REV. HENRY A. McGARVEY, S. J.
Professor of Classics and English in Freshman Class, Sec. B.

MOORHOUSE I. MILLAR, S. J.
Professor of History.

RICHARD B. SCHMITT, S. J.
Professor of Mechanics, Assistant Professor of Chemistry.

HISTORY

Canisius College was opened in September, 1870, by the Fathers of the German Province of the Society of Jesus. The Rev. William Becker, S. J., was the first president of the College. Its inception was the fulfillment of the earnest wish of the first Bishop of Buffalo, Rt. Rev. John Timon, for the establishment of an institution of higher education in his diocese. The first roll showed thirty-four students, about equally divided between the classical and the commercial courses. The former required six years for its completion and the latter four.

On April 27, 1872, the feast of Bl. Peter Canisius, patron of the new institution, the cornerstone of a larger brick building on Washington Street was laid by the Rt. Rev. Bishop Stephen V. Ryan, D. D., and in November of the same year the central portion of it was completed; the north and south wings, with the Chapel and Hall and the Infirmary, were added in later years.

In December, 1872, the Rev. Henry Behrens was appointed President of the College. This eminent priest had been Superior of all the Jesuit Chaplains in the German forces during the Franco-German war, and for his services in that capacity had been decorated with the Iron Cross of Prussia. Under his energetic rule, which continued until 1877, the College made rapid and steady progress.

As early as 1875, a campus comprising about eleven acres, and situated at the corner of Main and Jefferson Streets, then on the outskirts of the city, was purchased to serve as a villa for the weekly holidays of the students and professors and to afford opportunity for sport and athletic games.

After September, 1894, students were no longer admitted for the commercial course. At the same time, the full classical course was lengthened to eight years, four years being given to studies of High School grade and the succeeding four to the College course. Both courses are fully recognized by the Regents of the University of the State of New York. At the completion of the High School, the Regents' Examination may be taken by those who wish to do so; or the student may receive a "Qualifying Certificate for admission to professional or technical schools."

In the year 1907, the College was removed from the jurisdiction of the German Province of the Society of Jesus and

united to the Maryland-New York Province. About the same time, an important change occurred, in the discontinuance of the boarding department. This was due to the increase in the number of students and the lack of adequate accommodations for so large a body of resident pupils. From that period, day scholars only have been received; though a certain number of those coming from a distance find board and lodging with families in the neighborhood.

In 1911 began the erection of the present college building, on the former Villa grounds, at the corner of Main and Jefferson Streets. This structure was dedicated, with appropriate ceremonies, by the Rt. Rev. Charles H. Colton, Bishop of Buffalo, on December 30th, 1912. On January 6th, 1913, the four College classes were transferred to the new building, leaving the students of the four High School years at the former location on Washington Street. This local separation of the College from the High School has resulted in marked benefit to both.

As yet only the central portion of the building as planned has been erected. But its noble proportions and stately dome make it already one of the chief ornaments of the city. The remainder will be built as funds and the exigencies of attendance in the future may warrant. The structure is of re-enforced concrete, absolutely fireproof, and provided with exceptionally perfect scholastic and scientific equipment.

System of Education

The purpose of this institution is to provide the Catholic young men of Buffalo and its vicinity with facilities for a thorough liberal education, embracing all the secular branches taught in the best modern colleges, but based upon the unerring principles of religion and imbued with its spirit.

The educational system followed is substantially that of all the Colleges conducted by the Society of Jesus in every part of the world. Based on the famous *Ratio Studiorum Societatis Jesu*, a system outlined by the most prominent Jesuit educators in 1599, revised in 1832, and attended up to the present day with unfailing success, it secures on the one hand that stability so essential to educational thoroughness, while on the other it is elastic and makes liberal allowance for the varying circumstances of time and country.

While retaining, so far as possible, all that is valuable in the older learning, it adopts and incorporates the results of modern progress.

But its methods of teaching, being truly psychological, based upon the very nature of man's mental processes and perfected by centuries of experience, are applicable to all times and to every place. It is a noteworthy fact that many of the recently devised methods of teaching, such as the Natural, the Inductive and similar plans, are in reality mere revivals of devices recommended long ago in the *Ratio Studiorum*.

Those who are desirous of making either a scientific or historical study of this system will find abundant sources of information in the following works: *Monumenta Germaniae Pedagogica*, Vols. II, V, IX, XVI; *Un Collège des Jésuites*, par C. De Rochemonteix, S. J. For a shorter, yet thorough commentary on the *Ratio Studiorum*, the reader is referred to *Jesuit Education*, by Rev. Robert Swickerath, S. J.

Education being the full and harmonious development of all the faculties of man, its aim is not mere instruction or the imparting of knowledge, but mental and moral training. With this object in view, such studies are chosen as will most effectively further that end, by giving the student a general and well-rounded development of all his mental faculties and training the youthful mind to habits of accurate and logical thinking, thus enabling him to follow successfully any professional or business career which he may choose.

With such a system of mental training the unrestricted electivism advocated by some modern educators is incompatible, because students usually follow the lines of least resistance and choose in consequence an ill-arranged, unsymmetrical course. After many unsatisfactory experiments in extreme electivism, the best educators of the present day are beginning to realize more fully than before that prescribed curricula, embracing well-chosen and co-ordinated studies, afford the most efficient means of mental cultivation and development. This, however, does not prohibit the offering of more than one of such systematic courses, as for instance the classical and the scientific, nor even a moderate degree of electivism, especially toward the end of the course, for those who wish to specialize in the direction of their future profession. The College does not intend, however, to give professional instruction, but aims at a solid and broad preparation for the work of specialization which is proper to the university.

But quite as necessary as mental development, and even more so, is the forming of a young man's character, the guiding of his moral faculties. Moral principles must be the solid basis upon which the whole education is to be built and the vital force sup-

porting and animating the whole organic structure of education. Therefore, morality must be taught continuously and systematically; it must be the atmosphere which the student breathes, it must furnish the principles that will guide his entire conduct, his thoughts and actions.

But it is vain to pretend to give moral training without religion; therefore Canisius College, as every Catholic institution, insists on *Religious Training* as the only possible means of obtaining this moral development. Accordingly, the spirit of religion pervades its entire system of education; religious principles are inculcated as the invariable standard of conduct. Religious knowledge is carefully imparted, supplementing the catechetical instruction previously received in the High School with a thorough philosophical study of the evidences of religion and the objections commonly raised against it.

The students are required to make the annual Spiritual Retreat, and to attend the Holy Sacrifice of the Mass in the College Chapel every morning. They are expected and urged to receive the Sacraments of Penance and Holy Communion at least once a week. Non-Catholic students are not required to take part in the exercises of religion.

OUTLINE OF STUDIES

The College course covers a period of four years. It presupposes a successful High School training, also of four years' duration.

It is one of the great advantages of this institution that it possesses a well-established and successful High School, which, while locally separated, is entirely under the control and direction of the College authorities. In this way, the preparatory studies are perfectly articulated with the College course. A student may therefore carry on his studies from the beginning under the same system and management, thus securing a uniform and homogeneous course of instruction, in which each year's work leads naturally to the next and prepares logically for it. Yet students from the public High Schools and other institutions of like grade are admitted, and receive every attention necessary to qualify them to follow the College course successfully.

Although entrance into some professional schools may be obtained as soon as a High School course is successfully completed, it has always been the earnest desire of the directors of this institution to see all the students of the lower department go

on to graduation in the College. The requirement of a college degree as a condition of admittance is becoming increasingly prevalent among the best schools of Law, Medicine and Engineering. With this movement Canisius College is heartily in accord.

Course in Arts

The best means for acquiring that broad and thorough cultivation of the mental faculties which has been described above as the foundation for special and professional training is recognized to be the full and accurate study of the Latin and Greek classics. In connection with these, a thorough training in the arts of composition and rhetoric and in general literature, together with a comparative study of the English language and literature, is essential.

The analytical study of language and letters promotes exactness of thought, delicacy of perception and facility of expression, by the constant and keen exercise of judgment and taste, as well as the reasoning powers. In this regard, the languages of ancient Rome and Greece, when intelligently and seriously studied, offer greater advantages than any other. They are also most helpful to the knowledge of our mother tongue. Their structure and idiom, so remote from the language of the student, reveal to him the laws of thought and logic and demand reflection and analysis of the fundamental relations between thought and expression; they exercise him in exactness of conception in grasping the author's meaning and in clearness and delicacy of expression in clothing that thought in the very dissimilar garb of his own native tongue.

One modern language, usually French or German, is required, in addition to English.

History, which has been rightly described as Philosophy taught by examples, brings the young mind into close contact with the great minds and characters of all ages, and familiarizes it with the development and vicissitudes of civilization.

The Higher Mathematics, beside providing the scholar with the instruments of progress in the natural sciences, impart to the mental faculties a special kind of training that cannot be ignored.

The sciences of Physics, Chemistry, Geology and Biology must be known, at least in their outlines and with exact appreciation of their principles, if one wishes to be abreast of modern thought. They are, therefore, made obligatory features of the course.

But, above all, Mental Philosophy is considered of the highest importance. It gives the key to all true knowledge of nature, of man and of God, and lays the only solid foundation for all other sciences, as well as revealing their interdependence and method.

Hence in the last two years of the course a thorough study is made of Scholastic Philosophy in its various branches, such as Logic, Metaphysics, Psychology, Natural Theology, Ethics and Political Economy.

The successful completion of this arduous course is rewarded with the degree of *Bachelor of Arts*. It is perhaps no violation of modesty to maintain that it is absolutely the best and most complete course for its purpose possible under the present conditions of human learning.

Course in General Science

However, as a considerable number of students are unable or unwilling, from disposition of mind or previous preparation, to undertake this highest and most perfect curriculum, the College provideds a non-classic *Scientific Course*, substituting for Latin and Greek a fuller training in various branches of Natural Science, but retaining the other studies intended for general culture. The various branches of Philosophy especially, are granted a large share of attention. This course leads to the degree of *Bachelor of Science*. It is more fully described in a later section of this catalogue.

As an adjunct to the scientific course there has been established a Pre-Medical course of one or two years' duration according to the needs of the applicant and the requirements of the medical school he contemplates entering. This course fulfills all the requirements in Physics, Chemistry, Biology, Mathematics, History and Modern Languages, both of the Regents of the New York State University and of the American Medical Association. Requirements for admission are the same as in the Course in General Science.

EQUIPMENT

The new building in which Canisius College is now housed, is adequate for present needs, and is extremely perfect in respect to light, ventilation and hygiene.

The Students' Library and Reading Room are handsomely furnished. As yet only the principal books of reference and the most necessary works in literature, philosophy and science have been placed in the cases. During the past year, considerable additions have been made. It is earnestly desired to build up a great collection, as the most efficient means, after positive instruction, for the attainment of erudition. Friends of the College are requested to donate books or money toward this end.

The leading periodicals, both Catholic and secular, are supplied to the Reading Room.

A special Scientific Reference Library of over two thousand volumes and a large number of periodicals relating to special branches of Natural Science, are at the command of students in these fields.

EQUIPMENT OF THE SCIENCE DEPARTMENT

Chemistry

The equipment of the Department of Chemistry consists of a lecture-room, capable of seating comfortably eighty students, a private laboratory for the instructors and advanced students, and a large, well-lighted students' laboratory with desks for forty-eight students working at one time.

In the lecture-room, the professor's table is of the most approved construction, being supplied with alternating and direct current for electrical work, a fume vent, gas, hot and cold water, exhaust and compressed air valves. There is a large tank at one end of the table with glass panels on three sides. The room is also equipped for stereopticon projection. Immediately adjoining the lecture-room is the instructor's private laboratory, which serves also a preparation room. A well supplied store-room for apparatus and chemicals is situated on the floor above the laboratory. The precision balances for quantitative experiments are attached to the wall of the preparation room.

The students' laboratory adjoins the preparation room. The students' desks are arranged so that each may be used successively by two or more students, thus increasing the capacity of the laboratory to over one hundred persons. Each desk is supplied with cold water, exhaust, compressed air, a fume vent and direct current for electro-chemical experiments. Alternating current is also available, if needed. There is besides a large hood in the laboratory with hydrogen sulphide supply. This hood is ven-

tilated by a motor-driven exhaust fan. The laboratory is abundantly well lighted and ventilated.

During the year the following instruments were added to the equipment of the Department of Chemistry:

Richard's Nephelometer.

Eimer & Amend Refractometer.

Schiff's Azotometer.

Carius' hot-air furnace.

Twenty-four burner combustion furnace.

Beckmann freezing-point apparatus.

Beckmann boiling-point apparatus.

Eight pieces Hofmann's electrolytic lecture apparatus.

Parr calorimeter, made by Max Kohl, Chemnitz.

Complete equipment for quantitative work in organic chemistry.

Physics

The Department of Physics has at its disposal a lecture-room equal in size and similar in equipment to the chemical lecture-room. The Physics lecture-table has a detachable end mounted on rollers, by means of which heavy or delicate instruments may be brought, without danger of breakage or disarrangement, from the instrument room. A heliostat of special design is available for all experiments on light. The professor's laboratory and preparation room is immediately adjacent to the lecture-room. In this laboratory are the motors and dynamos generating current for the entire scientific department. The cases of the instrument room adjoining are of special design and ample size. The stock of instruments is abundantly sufficient for all the courses offered, and is being constantly improved. The Bischoff collection of lantern-slides, numbering over five thousand and covering most natural science subjects, as well as subjects of travel, history, etc., is kept in the instrument room. The students' laboratory in Physics contains ten tables, each for four students working simultaneously. Each table has gas, compressed air, alternating and direct current. There is a fully equipped photographic dark-room at one end of this laboratory, so constructed that it can be used also for experiments in light and optics. The receiving and transmission apparatus of the wireless station is in a corner of the laboratory. This station has a sending capacity of two hundred miles under all conditions and is used entirely for experimental purposes and for instruction.

During the year the Physical equipment was increased by the following instruments:

Double Dissolving Model "D" Balopticon. (B. & L.), special equipment for projection of the Spectrum and Complementary Colors.

Thordarson 1 k w., 25 cycle 110/20000 Volt Special Wireless Transformer.

Franz Schmidt and Haensch Polariscope complete.

Lincoln 1 H. P., 25 cycle, 110/220 A. C. Motor.

Dr. Langmuir 1500 C. P. Nitrogen Lamp and two banks (Beach) of 150 Watt Tungsten lamps and reflectors for photographic illumination.

E. I. Company Magneto. Jolly Balance.

De La Rive's Apparatus. Two "Harvard" Balances with weights complete.

One D. C. Lighting Unit complete, consisting of Lincoln 110 V., 30 amp. Motor-Generator Set, marble switchboard with Weston voltmeter and ammeter, end-cell switch and circuit-breaker, 60 Williard 60 amp hr. storage batteries.

Biology

The Biological equipment consists of a small lecture-room, containing good teaching collections in Botany, Zoology and Physiology. There is an electric stereopticon in this room also. The teaching collections in Paleontology and Stratigraphic Geology are provisionally in this room. There is also a good Entomological collection and a collection of reptiles. Part of this room is used as a Biological laboratory, as is also one end of the Physical laboratory, the laboratory equipment consisting of several high-power microscopes, individual dissecting microscopes, dissecting apparatus, microtome, sterilizers, culture oven, germinating bed, etc.

The following additions were made to the Biological equipment during the year:

Six Type BH4 Microscopes complete.

Two Students' Dissecting Microscopes.

One B. & L. Laboratory Instrument Sterilizer.

One B. & L. Paraffine Bath.

One B. & L. Model "B" Mechanical Stage for BBH Microscope.

One Polarizing Apparatus for BBH Microscope.

Two hundred Lantern Slides of Microscopic Enlargements.

Geology and Astronomy

The College possesses excellent collections in Mineralogy, Lithology, Structural and Historical Geology. Besides the display collection covering Crystallography, Physical and Chemical Mineralogy and Lithology, there are a number of sets of minerals and rocks for individual work in these subjects. Among other aids to the study of Geology may be mentioned the Ashton collection of shells and corals and the Phenomenal Geology collection, as well as complete sets of the publications of the United States Geological Survey, of the New York State Survey, and of the Smithsonian Institute, in Washington. From the Bischoff collection there are available over a thousand lantern-slides for teaching Geology.

A polarizing microscope for mineralogical work by Reichert of Vienna, was added to the Geological equipment during the year, as well as over one hundred new lantern slides.

For Astronomy, the College possesses an excellent three-inch equatorial. There are also numerous astronomical maps and charts, together with a series of astronomical lantern-slides.

The Meteorological Observatory

In November, 1912, by direction of the Chief of the United States Weather Bureau, the new Canisius College was selected as the site of an auxiliary station of the Bureau, under the superintendence of the District Forecaster of the Buffalo District. The object of the station was to be climatological investigation, and the open situation of the new College was declared to be ideal for the purpose. A full meteorological equipment was installed, consisting of the following:

A standard forty-foot tower erected at the northeast corner of the College roof for the wind-vane, anemometer, and sunshine recorder.

Robinson anemometer.

Wind-vane, standard four-foot pattern.

Electrical thermometric sunshine recorder.

Instrument shelter, with maximum and minimum, wet and dry bulb thermometers.

Tipping-bucket rain gauge.

Rain and snow gauge.

Ricard aneroid barograph.

Ricard thermograph.

Meteorograph, triple register, quadruple register.

The recording instruments are in a room in the northeast corner of the building, immediately under the tower.

Visual observations of temperature, rain-fall and humidity are made daily at 8 A. M. and 8 P. M. Maximum and minimum temperatures and rain-fall for each twenty-four hours are telephoned to the Buffalo local office of the Weather Bureau, and are printed on the local Weather Map. A monthly report and summary is forwarded to the Central Bureau in Washington. While there is no distinct course in Meteorology at Canisius, the fundamental principles of the science are given in the lectures in Physics and Geology. Each year, a number of assistants will be selected from among the students to aid the director in taking observations. They will be instructed in the use and care of instruments, and in making observations from them.

The Museum

The College Museum is set up temporarily in the large room adjoining the biological lecture-room. It contains the mounted specimens of animals, the geological and mineralogical collections, the Ashton collection of shells and corals, the entomological collection and those of coins and stamps. For lack of room in the museum, the bird collection, the collection of Indian and Roman relics, and the Bibles and manuscripts are displayed in other rooms.

The Seismological Observatory

The Seismological observatory is situated in a vault in the basement. It is provided with an eighty kilogram Wiechert horizontal pendulum. It is extremely desirable that a special small building be constructed on the College grounds for the seismographs. This could be rendered waterproof, and would be so made with double walls and air-space as to insure an even temperature. Such a building would not be very expensive. Canisius is the only seismographic station in Western New York, and is situated in an extremely favorable locality for the observation of earth tremors. Results of value to science are hoped for in the combination of continuous and synchronous meteorological and seismological observations. Students interested may be appointed assistant observers in the seismological observatory also.

Recreation and Athletics

Recreation rooms, with pool tables, a good piano, etc., afford opportunities for indoor amusement.

The athletic field adjoining the College comprises ten acres and is well graded. But it is as yet neither enclosed nor pro-

vided with stands and seats from which the games may be comfortably witnessed. The Athletic Association would appreciate the assistance of alumni and friends in providing for this need and in otherwise developing athletic exercises in the College.

Sessions and Holidays

The scholastic year begins in the first week of September and closes with the Commencement exercises toward the end of June.

The Christmas Holidays extend from December 24th to January 2nd, inclusive.

The Easter Recess begins on Wednesday in Holy Week and continues until Tuesday in Easter Week, also inclusive.

No class is held on legal holidays or days of obligatory religious observance.

It is highly important that all the students be present on the day of reopening, as the regular class work begins at once. Disregard of this rule cannot but result in great inconvenience to class and teacher, and in greater disadvantage to the late comers themselves. Late comers, whether after the Summer or Christmas holidays, cannot compete for class honors, unless they present an excuse satisfactory to the authorities.

Admission

Candidates for admission, who are not personally acquainted with some member of the faculty, must present *testimonials of good moral character*. If they have previously attended some other institution of learning, *detailed information concerning their previous studies is demanded*, as well as a certificate of their previous class standing, and of honorable dismissal.

Admission may be by Examination, Regents' Diploma, or Certificate from an accredited academy, high school or normal school.

In all cases, the candidate must give satisfactory evidence that he has completed successfully a four years' course of study of High School grade, and that he possesses the knowledge requisite for pursuing the studies comprised in the course to which he seeks admission.

A detailed statement of these requirements for the Classical Course will be found on page 25 of this pamphlet, and for the Scientific Course on page 43.

Candidates desiring to omit certain branches of the established course may be admitted as Special Students, provided they show themselves qualified to follow successfully the studies chosen. Such students are not candidates for a degree, but will

receive a certificate showing their standing in all branches completed by them.

Leaving the College

Parents who wish to withdraw their sons before the end of the scholastic year are respectfully requested to give due notice of their intention to the College authorities, otherwise no deduction from the tuition fees can be made.

Examinations and Reports

The standing of each student is determined by daily recitations, home work and oral and written reviews. Every month the class standing of all students is publicly read in the hall. On this occasion a testimonial of "First Honors" is awarded to every student who merits a total of 95 per cent. in his class; a testimonial of "Second Honors" to every student who merits a total of 90 per cent.

In determining the class standing in the Arts course, Latin, Greek, English, History and Evidences of Religion are combined. Separate averages are computed for standing in Mathematics, Natural Sciences and Modern Languages.

In the Science course a similar method is pursued, Natural Sciences, English, History and Evidences of Religion being combined in determining the class standing.

Monthly as well as semi-annual reports are sent to parents and guardians, who are requested to sign and return them promptly.

The student's proficiency is determined according to the following table:

100 to 95 per cent	Excellent
95 to 85 per cent	Very Good
85 to 75 per cent	Good
75 to 70 per cent	Tolerable
70 to 65 per cent	Unsatisfactory
Below 65 per cent	Failure and condition

A condition means that the student has to pass a satisfactory examination in the branch in which he has failed, before he can be promoted to a higher class.

Written *tests* in all branches are held repeatedly during the year. *Oral examinations* in Latin and Greek, and *written examinations* in all branches are held at the close of each term. A fixed day will be set for the examination of all students subject to conditions. Any conditioned student requesting an examination at any other time will be required to pay a fee of one dollar.

Premiums and Distinctions

The first prize is a gold medal, which is awarded to the student who has the highest class standing for the whole year; a premium is awarded to the student next in merit. Premiums are also awarded to all students having the highest total average in their respective classes of Mathematics, of Modern Languages, or of Sciences. Distinctions in single branches suppose a percentage of 86 in that branch.

Students who fail to reach an average of 65 per cent. for the year in any class branch are debarred from the medal and the premium of that class, even though their general average might otherwise entitle them to one or the other.

Any serious complaint against a student's conduct, attendance, application or deportment will exclude him from all honors.

The following special prizes will be offered in the year 1914-1915:

A gold medal, gift of Mrs. Mary A. Boland, for the best oral examination in Philosophy in the Senior Class.

A prize of twenty dollars in gold, gift of Frank J. Boland, for the best essay in Chemistry.

Canisius Alumni Sodality Medal, for excellence in public debate.

A prize of twenty dollars in gold, gift of Mrs. Henry Vom Berge, for the best English essay on some literary or historical subject.

Scholarships

The Scholarships are of two kinds—permanent and annual. A permanent scholarship is provided by a gift of $1,500; an annual scholarship by a gift of $60.

The following scholarships now exist in the College and are available as they become vacant.

Information concerning conditions, dates of competition, etc., may be obtained from the Dean.

Perpetual Scholarships

The Fricker Scholarship, founded by Miss Flora Fricker.

The Leddy Scholarship (1) founded by Rev. H. M. Leddy.

The Leddy Scholarship (2) founded by Rev. H. M. Leddy.

The Biden Scholarship, founded by Rt. Rev. Mgr. John Biden, D. D.

The St. Michael Scholarship, founded by a Friend.

The Canisius Alumni Sodality Scholarship, founded by the Canisius Alumni Sodality.

Eighteen General Scholarships.

Annual Scholarships

1914-1915

One Scholarship given by the Canisius Alumni Association.

One Scholarship given by the Canisius Alumni Sodality.

Scholarships awarded in the High School do not apply to the College.

Any incumbent of a scholarship will be deprived of his privilege if his conduct or proficiency in his studies does not give full satisfaction to the authorities.

Discipline

The regulations of the College are calculated to secure the order necessary for the effectual pursuit of studies, to develop and strengthen character, and to promote gentlemanly deportment and polite manners. They are enforced with paternal gentleness, combined with energy and firmness. The motives appealed to are honor, conscience and religion.

Although the institution cannot be held responsible for the conduct of students outside of the premises, yet bad conduct outside as well as on the premises, profane or unbecoming language, insubordination, continued inapplication to studies, or irregularity in attendance, are causes for dismissal.

The class hours are: 9:00 to 10:50 a. m.
11:00 to 11:55 a. m.
1:00 to 2:50 p. m.
every weekday except Wednesday, the weekly holiday.

The students are required to be regular and punctual in their attendance. Without regular attendance and serious application on the part of the students, it is impossible to attain the purpose for which they are received into the institution.

Parents and guardians of students are informed that home study for the space of *two or three hours* is required every day. If a student does not devote this amount of time to his studies, the Prefect of Studies should be informed. A notice should also be sent whenever illness or any other cause prevents a student from attending class; a written excuse signed by parents or guardian must be handed to the Prefect before a student is again admitted to the class. In case of absence, parents are regularly notified. In general, FREQUENT COMMUNICATION OF PARENTS WITH THE AUTHORITIES IS INVITED.

Terms

Tuition, in all departments, per annum	$60.00
Library Fee, in all departments, per annum	2.00
Physical Laboratory Fee, in the A. B. Course	10.00
Physical Laboratory Fee, in the B. S. Course	20.00
Chemical Laboratory Fee, in the A. B. Course	10.00
Chemical Laboratory Fee, in the B. S. Course	20.00
Graduation Fee	10.00

All regular charges are to be paid quarterly in advance.

Accounts date from the first day of the quarter. No deduction is made for absence, save in case of protracted illness.

Former students applying for a detailed certificate of standing must pay a Registrar's fee of $1.00.

Text-books and stationery, when purchased from the College, must be paid for in cash.

Degrees will not be conferred upon students whose debts to the College remain unpaid.

Students whose accounts with the Treasurer have not been settled before the close of the year, will not be allowed to take honors, to be promoted to a higher class, or to receive a certificate.

Requirements for Admission to the Arts Course

These requirements are in substantial agreement with the entrance requirements of all the colleges in the State of New York, and fully comply with the Regents' requirements for a college entrance diploma.

I. ENGLISH:

1. Principles—Principles of Composition and Rhetoric involved in the use of words, the structure of sentences and paragraphs; the ordinary forms of composition; letters, narrations, descriptions and essays, versification.

   The matter contained in Genung's Outlines of Rhetoric and Coppens' Introduction to Rhetoric will serve to indicate what is demanded under this head.

2. Practice—The candidate will be required to write an essay based on the authors specified below for thorough study. The work must be correct in spelling, punctuation, idiom and division into paragraphs, and must give evidence of some proficiency in narration and description.

3. Literature—

   (a) A *thorough* study of the following works is required: Shakespeare's Merchant of Venice; Tennyson's Holy Grail and Sir Galahad; Gray's Odes and Elegy; Macaulay's Essays on Addison and Life of Johnson; Scott's Lay of the Last Minstrel; De Quincey's Joan of Arc; Irving's Sketch Book; Goldsmith's Deserted Village.

   (b) A *general* knowledge of the following is required: Addison's Sir Roger de Coverley; Coleridge's Ancient Mariner; Scott's Ivanhoe and The Lady of the Lake; Dickens' Christmas Stories; Longfellow's Hiawatha; Hawthorne's Tanglewood Tales; Wordsworth's Selected Poems.

II. Latin:

1. Grammar—A thorough knowledge of the grammar, particularly of the structure of subordinate and dependent clauses in direct and indirect discourse. Also some acquaintance with Latin prosody and its application to hexameter and pentameter verse; scansion of Virgil and Ovid.
2. Composition—Translation into Latin of an easy continuous prose passage, based upon Caesar or Cicero.
3. Reading—Nepos: Lives, to the end of the life of Alcibiades; also the life of Atticus.
   Caesar: *De Bello Gallico*, four books.
   Ovid: Selections from the *Metamorphoses* and *Tristia* (1000 lines).
   Virgil: Eclogues; Aeneid, Book I.
   Cicero: *De Senectute* or *De Amicitia*. Orations against Catiline.
   Sallust: Catiline or Jugurtha.
   The translation at sight of passages not previously seen.
   Equivalents will be accepted.

III. Greek:

1. A thorough knowledge of the etymology and syntax of the Greek grammar is required and must be shown by the candidate in oral explanation of passages taken from authors and in translation from English into Greek.
2. Reading—Xenophon, four books of the Anabasis, or an equivalent from the other writings of Xenophon.
3. Sight reading of easy Attic prose.

IV. History:

1. Greek and Roman History.
2. English and American History.

V. Mathematics:

Advanced Algebra.
Plane and Solid Geometry.
For advanced students: Trigonometry.

VI. French or German:

1. Grammar.
2. Translation.
3. Grammatical Analysis.

Course of Studies

The Arts Course

FRESHMAN CLASS.

I. EVIDENCES OF RELIGION:

(Wilmers' Handbook of the Christian Religion), Creation of the World, Various Grades of Creation, Spiritual World, Material World, Man. God, the Redeemer of Fallen Man. Grace, Actual Grace, Sanctifying Grace. Sacraments in General. Baptism, Confirmation, Holy Eucharist.

II. LATIN: (Seven hours a week.)

1. Authors:

I Term: Virgil, Æneid.
Horace, Ars Poetica.
Cicero, Pro Archia.
Livy, (sight reading).

II Term: Horace, Odes (selected).
Cicero, Pro Marcello, Second Philippic or De Signis.
Livy, (sight reading).

2. Composition—Principles of Latin style. Latin prosody and versification with special reference to Latin lyric metres. Prose composition twice a week, verse once a week.

III. GREEK: (Five hours a week.)

1. Grammar—Review of Greek moods and tenses. Prosody and versification for the structure of Epic and Tragic Verse.

2. Authors:

I Term: Plato, Apology.
Homer, Odyssey.
Herodotus, (sight reading).

II Term: Demosthenes, Olynthiacs.
Euripides, Hecuba.
Herodotus, (sight reading).

3. Composition—Written exercises once a week, in imitation of Plato and Demosthenes.

IV. English: (Three hours a week.)

1. Precepts—Principles of literary criticism. Choice of words. Elegance, vigor and variety of expression. The orderly and logical development of thought. Prose rhythm, style. Principles of narration, description and exposition. Nature of poetry. Poetic diction. Versification. The Epic. A comparative study of the Odyssey, Æneid and Paradise Lost. Lyric poetry, its various kinds. (Kleutgen, *Ars Dicendi;* Connell, *A Study of Poetry.*)
2. Authors: Prose—Newman, Ruskin, De Quincey, Hawthorne, Arnold (Brewster's Studies in Structure and Style). Poetry—Selections from Shelley, Wordsworth, Keats, Tennyson (Palgrave's Golden Treasury), Milton, Paradise Lost, I, II, Shakespeare, Julius Caesar, Midsummer Night's Dream.
3. Composition: One composition in prose or verse to be written each week outside of class. The nature of this composition work will be in keeping with the scope of the class work as outlined in the precepts given above.
4. History of English Literature: Early English literature. The Age of Chaucer. The Elizabethan Period. Shakespeare and his Contemporaries. (Brooke's English Literature.)
5. Elocution.

V. Mathematics: (Four hours a week.)

I Term: Plane Trigonometry with its application to Surveying. (Wentworth.)

II Term: Analytical Geometry, loci and equations, the straight line, the circle, parabola, ellipse, hyperbola; general discussion of the equation of the second degree.

VI. History: (Two hours a week.)

The first Teutonic invasions. The fall of the Western Empire. The kingdoms of the Franks, Ostrogoths and Lombards. The Arabians. The establishment of the Papal States. Church and State. Carolingians, Northmen, Norman Exodus. Lay Investiture. Crusades. (Guggenberger's General History, Vol. I.)

VII. GERMAN OR FRENCH: (Two hours a week.)

German 1. Principles of German Style: Bone, Part II.
2. Prose Composition: Different kinds of prose composition, especially historical, narrative and descriptive.
3. Reading: Schiller, Wilhelm Tell, Wallenstein; Brentano, Der Fahrende Schueler; Klopstock, Messias; Niebelungen Lied.

French 1. Characteristics of French Style.
2. Prose Composition: Conversational, narrative, descriptive.
3. Reading and Literary Criticism: One or more of the following: Châteaubriand's Les Aventures du Dernier Abencerrage, Molière's Le Bourgeois Gentilhomme or L'Avare, Corneille's Le Cid or Polyeucte.

SOPHOMORE CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)
(Wilmers' Handbook of the Christian Religion.)

I Term: The Sacraments of Penance, Extreme Unction, Holy Orders, Matrimony, The Church as a means of Salvation. The Last Things. Basis of Morality. Objective and Subjective Norm of Human Action. Moral Good and Moral Evil.

II Term: The Theological Virtues. Virtue of Religion, Christian duties towards ourselves and our neighbors, Christian perfection.

II. LATIN: (Eight hours a week.)

1. Authors:

I Term: Cicero, Pro Lege Manilia.
Horace, Epodes, Satires, Epistles (selected).
Tacitus, Agricola and Germania.

II Term: Cicero, Pro Milone, Pro Ligario.
Juvenal, Satires (selected).
Tacitus, Annals, Book I.

2. Composition: Oratorical prose composition and occasionally an exercise in Latin verse.

III. GREEK: (Five hours a week.)

I Term: Demosthenes, First Philippic, or Æschylus, Prometheus Bound.

Sophocles, *Œdipus Tyrannus.*
Thucydides, Book II.

II Term: Demosthenes, *De Corona.*
Thucydides, Book II (continued).

IV. English: (Three hours a week.)

1. Precepts of Oratory (Kleutgen, *Ars Dicendi,* and Coppens, Oratorical Composition).
2. Rhetorical Analysis of Great Orations:

I Term: Burke, American Taxation or Bristol Election.
Cicero, Pro Lege Manilia.
Demosthenes, First Philippic, or Æschines, Against Ctesiphon.

II Term: Cicero, Pro Milone.
Demosthenes, *De Corona.*
Burke, Conciliation with America.
Webster, Adams and Jefferson.

3. Authors:

I Term: Shakespeare, Hamlet (analysis), King Lear (reading).
Burke, Speech to the Bristol Electors.
Webster, Bunker Hill.
Newman, Second Spring.
Palgrave, Golden Treasury.

II Term: Shakespeare, Macbeth (analysis).
Bradley, Oratorical Selections.
Stedman, American Poets.

4. Composition: Oratorical. Exercises in the application of the precepts of rhetoric. Practice in the drawing of briefs.
5. History of English Literature, from the death of Elizabeth to the Victorian Period. (Brooke's English Literature, cc. V-X.)
6. Elocution.

V. Mechanics: (Two hours a week.)
Theoretical and Experimental Mechanics. Kinetics. Dynamics. Mechanics of Liquids and Gases.

VI. Chemistry: (Three hours a week.)
General Inorganic Chemistry: Lectures, recitations and laboratory work. Introduction to Chemistry. Fundamental laws, history, occurrence, preparation and properties of the elements and their

principal compounds. Gravimetric and volumetric relations. Kinetic molecular hypothesis. Solution, chemical equilibrium. Ionization and interactions of Ionic substances. Flame and illuminants. (Text-book, Smith's College Chemistry.)

VII. HISTORY: (Two hours a week.)

Causes of the so-called Protestant Reformation: The Great Western Schism, The Hundred Years' War, War of the Roses, Consolidation of the European Monarchies. The Reformation in Germany, in England and Scotland. The Catholic Revival. The Wars of the Reformation: Huguenot Wars, Mary and Elizabeth, The Thirty Years' War, the Puritan Revolt. Age of Louis XIV. (Guggenberger, Vol. II.)

JUNIOR CLASS.

I. EVIDENCES OF RELIGION: (Two hours a week.)

(Wilmers' Handbook of the Christian Religion.)

Revelation in General. Pre-Christian Revelation. Christian Revelation. Institution of the Church. Constitution of the Church. Marks of the Church. Teaching Office of the Church. Scripture, Tradition. Existence of God. Nature and Attributes of God.

II. PHILOSOPHY:

FORMAL LOGIC: (Five hours a week for one term.)

Intellectual perception; division of ideas and terms. Definition and division.

Judgment—Division of judgments and propositions. Opposition of judgments.

Reasoning—The reasoning process. Rules of the simple categorical syllogism. Conditional and disjunctive syllogism. Different forms and kinds of argumentation. Syllogistic concentration and fallacies.

APPLIED LOGIC: (Five hours a week for one term.)

Logical truth and certainty. Human certainty vindicated against skeptics. The three fundamental truths.

The four sources of certainty; experience, internal (consciousness) and external (outer senses);

ideas compared; historical testimony.

Refutation of Acosmic Idealism. Nature and value of universal ideas. Reasoning as a means of knowledge. Induction and its basis.

Objective evidence, the universal criterion of truth. False criteria. Necessity and freedom of assent. (Frick's *Logica.*)

ONTOLOGY: (Five hours a week for one term.)

The concept of being. Analogy of being. Negation of being. The first principles derived from being.

Essence and existence. Knowledge of essence possible. Possibility, intrinsic and extrinsic; the ultimate source of each.

Attributes of being: Unity, truth, goodness.

The concepts of substance and accident; their division. Hypostasis and person. Quantity, quality, relation.

Principle and cause; divisions of cause; the principle of causality.

Perfection of being. The finite and the infinite; the necessary and contingent. Order and beauty. (Frick's *Ontologia.*)

COSMOLOGY: (Five hours a week for one term.)

Space and time; their nature and relation to bodies.

Origin of the world by creation; temporal creation of the world.

The laws of nature. Miracles possible and knowable.

Constitution of bodies: The dynamic, atomic and hylomorphic theories compared. (Haan's *Philosophia Naturalis.*)

PHILOSOPHICAL DISPUTATION: (One hour a week for both terms.)

III. PHYSICS: (Five hours a week, besides a sufficient number of hours in the laboratory to complete the work prescribed.)

Acoustics: Theory of vibration. Laws of propagation, refraction, resonance and interference of sound waves. Musical sounds, harmony, musical instruments.

Heat: Thermometry, calorimetry. Change of state. Solutions. Thermodynamics. Kinetic theory of gases.

Optics: Light waves; their reflection, refraction, in-

terference, dispersion, radiation, absorption, polarization. Colors. Optical instruments.

Electricity: The electrostatic field. The electric current. Current induction. Electric measurements. Dynamos and motors. Telegraph. Telephone. Electric lighting. Transmission of power. Electric waves. (College Physics, Carhart.)

IV. Chemistry, Qualitative Analysis: (Four hours a week, lectures and laboratory practice.

Analysis of inorganic substances, including Acid and Basic Analysis of known and unknown solutions.

V. History: (Two hours a week.)

Causes of the Social Revolution: The Hanoverian Succession, Making of Russia, Wars of the Austrian Succession, The American Colonies, Seven Years' War, Division of Poland, American War of Independence. The French Revolution. Era of Napoleon I. Catholic Emancipation. European Revolution. (Guggenberger, Vol. III.)

VI. Elocution: (One hour each alternate week.)

SENIOR CLASS.

I. Evidences of Religion: (Two hours a week.)

(Wilmers' Handbook of the Christian Religion.)

Review of the more important dogmas bearing upon religious questions of the day.

II. Philosophy:

Psychology: (Five hours a week for one term.)

Life in general. Three degrees of life: vegetative, sensitive, intellectual.

Sensitive life; outer and inner senses; sensuous appetite and locomotion.

The human intellect; its spiritual nature; its object; process of its operation; its freedom.

Nature of the human soul, its simplicity and spirituality. Unity of the soul; its relation to the body.

Origin of the human soul by creation; its immortality. Various systems of evolution examined.

(For reference, Boedder's *Psychologia Rationalis.*)

Theodicy: (Five hours a week for one term.)

The existence of God demonstrated. Atheism.

The essence of God. His infinite perfection, sim-

plicity, unity. Pantheism refuted. God's immutability, immensity, eternity.

The divine intellect and the divine will. The moral attributes of God. The power and providence of God. (For reference, Boedder's *Theologia Naturalis.*)

ETHICS: (Five hours a week, both terms.)

GENERAL ETHICS:

The moral agent and the moral act.

The ultimate end of man. Refutation of Hedonism and Utilitarianism. The end of the present life.

Difference between moral good and evil. The true norm of morality; false theories. Virtue and vice; merit and demerit.

The natural law; its existence, its properties, its sanction. Refutation of Kant's categorical imperative. Positive law based on the natural law. Properties of positive law.

Conscience; its binding force; rules governing it. Rights; nature and division of rights; subject of rights.

SPECIAL ETHICS:

Individual rights and duties; to God ; necessity of religion; to self; immorality of suicide; to others; charity and justice.

The right of freedom of conscience; of free self-culture; of self-defense.

Ownership; Socialism.

Society in general: nature and constituent elements of society; social activity.

The Family: divine institution, unity and indissolubility of marriage. Necessity of marriage—celibacy. Rights and duties of husband and wife. Emancipation of woman. The marriage contract; to what authority it is subject. Nature of parental society. The right and duty of parents to educate their children.

Relation between master and servant. Slavery.

The State: Origin of the State. False theories of Hobbes and Rousseau. The State, an institution of nature. Civil authority, not from the consent of men or a civil contract, but from God, the author of nature. The juridical relations which constitute the State established by the law of nature. The triple contract of Puffendorf.

The object of the State, not merely protection of rights, but the provision of all the means and conditions necessary for the perfect temporal well-being of all its citizens as far as they are not obtainable by private activity. State absolutism, absurd and immoral.

Families, the units of the State. Political equality of woman.

Municipalities. Classes. Estates.

The territory. Eminent domain.

Nature and essential properties of civil authority. The original subject in which it is vested. The different forms of government; their respective advantages and disadvantages. Constitutional and representative polity.

The limits of civil power. Duties and rights of the state with regard to moral and intellectual well-being. Public morality and religion. Relation between church and state. Religious liberty. Rights of the State to educate, indirect and subsidiary only. The school question. Compulsory attendance at school.

Liberty of the press. Liberalism.

Duties and rights of the State with regard to material prosperity. The social problem.

Legislative powers—duties of legislators; qualities of law. Administrative power—duties of civil officers. Judicial power—duties of judges and lawyers. Penal power—Object of punishment; capital punishment.

Acquisition of civil power, legitimate and illegitimate. Usurpation—prescription of usurped power. Despotism of rulers and changes of governments. Resistance to civil authority.

International Law: Existence of a natural international law, private and public. Particular rights and duties contained in it. Intervention. International treaties. Concordats.

War—Defensive and aggressive; conditions of its lawfulness.

Nationalities—the family of nations.

(Cathrein's *Philosophia Moralis.*)

PHILOSOPHICAL DISPUTATION: (One hour a week, both terms.)

IV. Biology: (Three hours a week.)
Psychological Physiology:
Fundamentals of physiologic processes. Correlation and interdependence of structure and function. A study of the functions of various tissues, accompanied by microscopic examination. Properties of skeleton, cardiac and visceral muscles. Features of nervous system of digestive tract; control of respiration and circulation by nervous system. Sensory nerves.
Chemical Physiology. Development of cell. Evolution of organism from hypo-, meso-, epiblast.
Bacteria, Fermentation, Putrefaction, Antiseptics, etc.

VI. Geology: (Three hours a week for one term.)
Physiographic: general features of the earth's surface. Structural: constitution of rocks, terranes, classification of the Animal and Vegetable Kingdoms. Dynamic: The formative, protective and destructive effects of life, chemical action of air and water, mechanical effects of air and water, sources and effects of heat, crustal movements. Historic: Archæan, Paleozoic, Mesozoic, Cenozoic.

VI. Astronomy: (Three hours a week for one term.)
Celestial Mechanics, Descriptive Astronomy, Application of general principles of Trigonometry, Astronomical Instruments, Observation.

VII. Electives: (Three hours a week. See courses on page 39.)

VIII. Elocution: (One hour each alternate week, to be deducted from one of the Science branches mentioned above, or from the Electives.)

DEGREES

The degree of A. B. is conferred at the completion of the College Course on those who pass satisfactory examinations in all the obligatory branches of the Arts Course and the degree of B. S. on successful students of the Science Course.

POSTGRADUATE COURSES

Students holding the degree of A. B. or B. S. from this College or other institutions of satisfactory standing, may undertake postgraduate studies under the direction of the Dean and the heads of the various departments.

Elective studies which have not been taken in the undergraduate years, may be chosen for postgraduate work; but in this case candidates will be obliged to pursue them in a more extended form. Other courses will be assigned as circumstances may require or permit.

In the Department of Arts, some branch of Philosophy must be taken by every candidate for a higher degree.

For the Master's degree in Arts or Science, at least one year of graduate work is required. It must be understood that only students of exceptional ability and previous training will be able to finish the work in one year.

For the degree of Ph. D. at least two years are required.

Examinations must be passed in every branch counted for a degree, and a thesis must be submitted showing original work. The examinations in all branches will be written and in certain branches oral examination will also be required, as determined by the Professors and the Dean.

Work of satisfactory amount and quality performed in other institutions may be counted for the degree. But the last year of study must in every case be passed in regular attendance upon the courses in this department.

WEEKLY SUMMARY (1913-1914) ARTS COURSE

Freshman	Hours
Latin	7
Greek	5
English (with Elocution)	3
Mathematics (Trigon., An. Geom.)	4
Evidences of Religion	2
History	2
German	2
	25

Junior	Hours
Philosophy	11
Evidences of Religion	2
Physics	5
Chem. Qual. Analysis	4
History	2
	24*

Sophomore	Hours
Latin	8
Greek	5
English (with Elocution)	3
Mechanics	2
Evidences of Religion	2
History	2
Chemistry	3
	25

Senior	Hours
Philosophy	11
Evidences of Religion	2
Geology (I Term), Astronomy (II Term)	3
Biology	3
Electives	3
	22*

*Every alternate Monday one afternoon period is devoted to Elocution.

SCHEDULE OF LECTURES AND RECITATIONS, 1913-1914, ARTS COURSE

PERIODS	SENIOR	JUNIOR	SOPHOMORE	FRESHMAN A	FRESHMAN B
A. M. 9.00 to 9.55	Philosophy	Philosophy	Latin	Latin	Latin
9.55 to 10.50	Philosophy	Philosophy	Mon. Genl. Chemistry Tue. Mechanics Thur. Genl. Chemistry Fri. Mechanics Sat. Evidences	Mon. Trigonometry Tue. English Thur. Fri. } Trigonometry Sat.	Greek
11.00 to 11.55	Mon. Philos. Circle Tue. Astronomy Thur. Evidences Fri. Astronomy	Mon. Philos. Circle Tue. History Thur. Evidences Fri. History Sat. Physics	Greek	Greek	Mon. Trigonometry Tue. English Thur. Fri. } Trigonometry Sat.
1.00 to 1.55	Mon. Electives Tue. Evidences Thur. Fri. } Electives	Mon. Analytic Chem. Tue. Evidences Thur. Fri. } Physics Sat.	Mon. Tue. } Latin Thur. Evidences Fri. English Sat. Latin	Mon. Evidences Tue. History Thur. Evidences Fri. History Sat. English	Mon. Evidences Tue. History Thur. Evidences Fri. History Sat. English
1.55 to 2.50	Mon. Electives or Elocution Tue. Thur. Fri. } Electives	Mon. Analytic Chem. or Elocution Tue. Physics Thur. Fri. } Analytic Chem	Mon. English or Elocution Tue. History Thur. English Fri. History Sat. Genl. Chemistry	Mon. English or Elocution Tue. German Thur. Latin Fri. German Sat. Latin	Mon. English or Elocution Tue. German Thur. Latin Fri. German Sat. Latin

Every alternate Monday, in all the classes, one afternoon period is devoted to elocution.

Elective Courses

Open to Junior, Senior and Postgraduate Students.

I. Chemistry:

1. Organic Chemistry—This course is arranged chiefly for those who intend to take up the study of medicine after they have finished their College course. In it the student is given an opportunity of acquiring such a knowledge of elementary organic chemistry as is now required for admission by several medical schools.
2. Quantitative Analytical Chemistry—Text-book, Talbot, Quantitative Analysis.
3. Physical Chemistry—Experimental determination of chemical equivalents, employing both the volumetric and gravimetric methods. Determination of vapor densities according to the methods of Dumas and Victor Meyer. Determination of formulas of simple salts.
4. Organic Analysis—Text-book: Sherman, Organic Analysis.
5. Technical Analysis—A short course in industrial methods of analysis, both organic and inorganic.

II. Physics:

Precision of measurements; Advanced physics. This course in experimental physics is intended for those who wish to extend their knowledge of physics, and especially of experimental methods, and is arranged with a view to meeting the requirements of technical schools. The course is based mainly on Miller's Laboratory Physics and comprises work in mechanics, heat, sound, light and electricity. Special stress is laid on accuracy of observation and on the proper reduction of experimental data.

II. Advanced Biology:

A study of Karyokinesis of the plant and animal cell. Cell-division of unicellular organisms. Growth and development of Protococcus, Saccharomyces. Detection and destruction of pathogenic schizomycetes in food, milk, water, etc.

Comparative structure of skeletons of different classes of vertebrates and dissection of the mam-

mals—cat, guinea-pig, etc. A comparative study of the development of vertebrates, including embryology of the chick.

Histology of protoplasm, tissue and muscle. Physiology of muscle and nerve-tissue. A study of the alimentary tract and the fluids employed in digestion.

A study of the circulation of the blood and analysis of its constituents.

IV. MATHEMATICS:

Advanced Calculus.

V. MECHANICAL DRAWING; DESCRIPTIVE GEOMETRY:

The following course is a most desirable one for B. S. students and those preparing for Technical Institutes. It embraces a knowledge of the elements of mechanical drawing, descriptive geometry and plane surveying and their practical applications. The course requires three years for its completion. The subjects treated are:

I Year: Use and Care of Instruments, Applied Geometry, Lettering, Orthographical Projection, Developed Surfaces and Intersections, Pictorial Representation, Working Drawings.

II Year: Descriptive Geometry, Technical Sketching, Map and Topographical Drawing, Duplication and Drawing for Reproduction, Notes on Commercial Practice, Elements of Machine Design.

III Year: Principles of Applied Mechanics, Structural Drawing, Drafting-room Practice in Plane and Topographical Surveying.

Text and Reference Books: Engineering Drawing. French; Descriptive Geometry, Blessing and Darling; Plane Surveying, Phillips; Mechanism. Dunkerley.

VI. HISTORY OF PHILOSOPHY:

1. Ancient Philosophy:
   (a) Oriental Philosophy.
   (b) Graeco-Roman Philosophy: Socrates, Plato, Aristotle, Cicero.
   (c) Graeco-Oriental Philosophy.
2. Philosophy of the Christian Era:
   (a) Patristic Philosophy: Its rise, culmination and decline; St. Athanasius, Basil the Great, Gregory of Nazianzen, Gregory of Nyssa, St. Ambrose, St. Jerome, St. Augustine.

(b) Philosophy of the Middle Ages: Rise, culmination and decline of Scholastic Philosophy. Albert the Great, Thomas Aquinas, Duns Scotus, Nominalists, Realists.

(c) Modern Philosophy: Regeneration of Scholastic Philosophy. Suarez. Rise and evolution of modern systems. Descartes. Hobbes. The Philosophy of England: Empiricism, Naturalism, Scepticism, Positivism, Utilitarianism, Evolution. France: Occasionalism, Ontologism, Pantheism, Sensualism, Materialism, Sociologists, Positivists, Traditionalism. Germany: Leibnitz, Von Wolff, Kant, the Idealists: Fichte, Schelling, Hegel; Realism, Modern Materialism. The Scottish Schools. Philosophy of Spain, Italy.

(d) Contemporary Philosophy: Germany, France, England, Italy, America; Neo-Scholasticism; Pragmatism; Philosophical errors of Modernism, etc.

VII. Social Science:

Social ideals, past and present. Social failures. Pauperism. Criminology. Charitable organizations. Labor insurance. Charitable institutions under guidance of the Church. Church and labor. Catholic benevolent associations.

VIII. Economics:

Principles of Political Economy. (Cathrein's *Philosophia Moralis,* and Burke's *Political Economy.*) Labor organizations. Capitalists. Tariff, wages, free trade. The social question, the labor problem, trade-unionism and single tax are treated in full.

IX. Elementary Law:

Law in general, its nature and origin. The moral obligation of law, its source and limitations. The legislative power, its subject and exercise.

The Civil Law of Rome. Common Law and Equity in England. Methods and procedure. Their modifications in the United States. The code. Civil and criminal law.

The right of private property. Estates in real property. Real estates in real property and personal estates in real property. Title to estates in real property. Estates in personal property. Title by gift and by contract. Agency. Partnership.

Private Wrongs.—Proceedings in an action at law. Evidence. Equitable remedies. Crimes. Degrees of Crime. Relation of criminal actor to criminal act. Criminal procedure. Nature and function of a State. Subjects and their relations to the State. Text-book: Robinson, *Elementary Law.*

X. Constitutional History:

Greek and Roman Constitutions. Development of the English Constitution. Origin and development of various European Constitutions; comparison with the Constitution of the United States.

XI. Pedagogy:

This elective, offered primarily but not exclusively, to students who wish to qualify themselves for the N. Y. State Regents' College Graduate Certificate, is so arranged that the students electing Pedagogy during their Senior and Junior years may take those subjects in education not already included in the prescribed courses of philosophy, so as to fulfill the Regents' requirements for the above mentioned certificate. The minimum course of study approved by the Regents for the fulfillment of said requirements is: Psychology—general and educational, 90 hours; History of education and principles of education, 90 hours; Methods of teaching, 60 hours; Observation, 20 hours. As a thorough course in general psychology is required for all Baccalaureate degrees given in this college, the elective course in pedagogy is arranged to provide the additional subjects of the Regents' requirements. In accord with the educational traditions of the Society of Jesus, in the course of Pedagogy at Canisius, especial emphasis will be placed upon the following psychological aspects of education: Training of the imagination; Formation of judgment and of character; Moral training. The course is distributed through the Junior and Senior years. Opportunities for observation will be provided in Canisius High School and in any of the parochial and public schools of the city that the students may choose. Further inquiries regarding this course should be made to the Dean.

XII. English:

A comparative study of Greek, Latin and English poetry. The influence of the Greek and Latin classics on English Literature.

Italian influence on the age of Chaucer; French influence on the age of Queen Anne.

Development of the English language and literature. A comparative study of modern literature. American literature.

XIII. Church History:

Important questions bearing upon dogma: Pope Liberius. Pope Honorius. Pseudo-popes and Anti-popes. Inquisition. Savonarola. St. Bartholomew's Day. Galileo Galilei. The Reformers. Translations of the Bible. Concordats. The Temporal Power of the Pope. The State and the Church. The Church and the Slave Trade. Missionary Work, Catholic and Protestant Missions.

The Course in General Science

Scope of Course

This course in General Science is intended for those students who have not had the previous training in the classical languages necessary for admission to the Arts Course, or for such as wish to obtain a more specific training for later work in technological, medical or industrial science than the Arts Course affords. While it is not strictly a technical course, the subjects included represent more than half of those required in engineering courses in our leading technical schools, and the faculty may soon be in a position to announce courses in civil, mechanical, electrical and chemical engineering.

At the same time, the demands of general culture will be fulfilled more completely, it is hoped, than is usual in strictly scientific or technical education.

The Science Course differs from the Arts Course in this, that it substitutes for the requirements in Latin and Greek of the Arts Course, subjects in the Natural Sciences. Other subjects, viz.: English, History, Modern Languages, Evidences of Religion, Elocution, Philosophy and Electives of a non-scientific character are common to both courses. Philosophy, however, is reduced

to a smaller compass and English is extended. The electives in Science in the Junior and Senior years will naturally be of a more advanced character in the Scientific Course than the similar electives in Science offered in the Arts Course.

Requirements for Admission to the Science Course

In general, the requirements for admission to the Course in General Science are the same as those for the Arts Course, except that Latin and Greek are not required. The course is so arranged that students offering the classical languages for admission may begin the course unhandicapped. Otherwise, in place of these languages an equivalent must be offered, as described below. The requirements are in substantial agreement with the entrance requirements of all the colleges in the State of New York which provide courses of General Science, and fully comply with the Regents' requirements for a College Entrance Diploma.

As in the Arts Course, admission may be by Examination, Regents' Diploma, or Certificate from an accredited academy, high school or normal school.

(A) Admission by Examination.

Students choosing this method of admission may take the examinations of the College Entrance Examination Board, whose certificate will be accepted as far as it is equivalent. Information regarding the places, fees, dates and conditions of such examinations may be obtained from the Secretary of the College Entrance Examination Board, Post Office Sub-station 84, New York, N. Y. Students, however, wishing to take the examination at Canisius will apply to the Dean for a list of subjects of examinations and the dates on which they will be held.

(B) Admission by Diploma.

The College Entrance Diploma of the Regents of the University of the State of New York will be accepted in place of the examinations.

(C) Admission by Certificate.

The certificate will be accepted provided the subjects are equivalent to, or cover, the entrance requirements. In all other subjects an examination will have to be passed.

In particular, the requirements in English, History, Mathematics, and Modern Languages, are the same as in the Arts Course. In place of Latin and Greek, the applicant must offer three of the following subjects, two of which *must* be either Physics or Chemistry, and an additional Modern Language, or its equivalent:.

1. *High School Physics.* To satisfy this requirement, the student must have done work in Physics equivalent to four or five periods a week for one year. Part of this work shall have consisted of laboratory practice, during which at least twenty-five well selected experiments shall have been performed. Certified laboratory note-books must be submitted.
2. *High School Chemistry.* This requirement is similar in scope and extent of time required to High School Physics. Laboratory notebooks must be submitted.
3. *Additional Modern Language.*
   1. Grammar. 2. Translation. 3. Grammatical Analysis.
4. *Elementary Biology.*
   (a) Courses of four or five periods a week in Botany, Zoology or Physiology, or
   (b) Courses of two or three hours a week in any two of these.
5. *Other Elementary Sciences.*
   Astronomy.
   Physical Geography.
   Geology.
   Extent of requirements as in Biology.

Equivalents will be accepted. Prospective applicants are requested to submit to the Dean of the College a list of the subjects they can offer for entrance.

Outline of the Course

FRESHMAN CLASS.

1. Mathematics: (Four hours a week.)
   I Term. Plane Trigonometry. Surveying.
   II Term. Spherical Trigonometry, with applications to Navigation, etc.
2. Chemistry: General Chemistry (Eight hours a week; three lectures, and five periods laboratory practice.)
3. Physics: Mechanics—(Four hours a week, two lecture and two laboratory periods.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. *Evidences of Religion: (Two hours a week.)
8. Elocution (included in English): (One-half hour a week.)

Special students may substitute Biology or other electives from the Junior and Senior Years for equivalent obligatory studies mentioned here.

*Not of obligation for non-Catholic students.

Sophomore

1. Physics: (Nine hours a week; five lectures and four laboratory periods.)
2. Chemistry—Qualitative Analysis: (Five hours a week; one lecture and four laboratory periods.)
3. Mathematics: (Four hours a week.)
   I Term: Analytical Geometry.
   II Term: Elementary Calculus.
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Evidences of Religion: (Two hours a week.)
7. Elocution (included in English. One-half hour a week.)

Junior

1. Philosophy: (Five hours a week.)
2. English: (Three hours a week.)
3. Geology—I Term: (Two and one-half hours a week.)
4. Astronomy—II Term: (Two and one-half hours a week.)
5. History: (Two hours a week.)
6. Evidences of Religion: (Two hours a week.)
7. Elocution (included in English. One-half hour a week.)
8. Electives: (Eight hours a week.) To be chosen from the following subjects: Quantitive Analytical Chemistry, Organic Chemistry, Physical Chemistry, Biology, Advanced Physics, Advanced Calculus, Descriptive Geometry, Mechanical Drawing.

Senior

1. Philosophy: (Five hours a week.)
2. Evidences of Religion: (Two hours a week.)
3. Elocution: (One-half hour a week.)
4. Electives: (Twelve and one-half hours a week.) Continuation of the electives begun in Junior Year, or assumption of other subjects from same list. A selection may be made also from these additional subjects: Pedagogy, Economics, Elementary Law, Constitutional History, Organic Analysis, Technical Analysis.

In all cases the number of laboratory hours given is a minimum. By suitable choice of electives in Junior and Senior years a student may specialize in Physics, Chemistry, or Biology, thereby gaining his degree of B. S., with Physics, Chemistry or Biology as his major study.

WEEKLY SUMMARY (1913-1914) SCIENCE COURSE

FRESHMAN

	Hours
Mathematics (Trigonometry)	4
Chemistry	8
Physics	4
English (incl. Elocution)	3
History	2
Modern Laguages	2
Evidences	2
	25

SOPHOMORE

	Hours
Mathematics (Anal. Geometry and Calculus)	4
Physics	9
Chemistry	5
English (incl. Elocution)	3
History	2
Evidences	2
	25

JUNIOR

	Hours
Philosophy	5
English (incl. Elocution)	3
Geology or Astronomy	2½
History	2
Evidences	2
Electives	8½
	23

SENIOR

	Hours
Philosophy	5
Elocution	½
Evidences	2
Electives	12½
	20

SCHEDULE OF LECTURES AND RECITATIONS, (1913-1914) SCIENCE COURSE

PERIODS	FRESHMAN	SOPHOMORE
A. M. 9.00 to 9.55	Chemistry, Laboratory	Mon. Chemistry, Lab. Tue. Physics, Lab. Thur / Fri. Chemistry, Lab. Sat. Physics, Lab.
9.55 to 10.50	Mon. Genl. Chemistry, Lect. Tue. Mechanics Thur. Genl. Chemistry, Lect. Fri. Mechanics Sat. Mechanical, Lab.	Mon. Genl Chemistry, Lect. Tue. Physics, Lab. Thur. Genl. Chemistry, Lect. Fri. Chemical, Lab. Sat. Physics, Lab.
11.00 to 11.15	Mon. Trigonometry Tue. English Thur Fri. / Sat. Trigonometry	Mon. Chemistry, Lab. Tue. History Thur. Evidences Fri. History Sat. Physics, Lect.
P. M. 1.00 to 1.55	Mon. Evidences Tue. History Thur. Evidences Fri. History Sat. English	Mon. Chemistry, Lab. Tue. Evidences Thur Fri. / Sat. Physics, Lect.
1.55 to 2.50	Mon. English or Elocution Tue. German Thur. Mechanical, Lab. Fri. German Sat. Chemistry, Lect.	Mon. English or Elocution Tue. Physics, Lect. Thur. English Fri. Physics, Lab. Sat. Chemistry, Lect. or Lab.

Every alternate Monday, in all the classes, one afternoon period is devoted to elocution.

Pre-Medical Course

For Special Students.

Outline of Course

FRESHMAN YEAR.

1. Chemistry: (Five hours a week.)
2. Physics: (Six hours a week.)
3. Biology: (Five hours a week.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. Evidences of Religion: (Two hours a week.)
8. Elocution: (Included in English; one-half hour a week.)

SOPHOMORE YEAR.

1. Chemistry: (Five hours a week.)
   I Term. Organic Chemistry.
   II Term. Quantitative Analysis.
2. Advanced Physics with precision of measurements (Five hours a week).
3. Biology, Advanced: (Six hours a week.)
4. English: (Three hours a week.)
5. History: (Two hours a week.)
6. Modern Languages: (Two hours a week.)
7. Evidences of Religion: (Two hours a week.)
8. Elocution: (Included in English; one-half hour a week.)

The outline for the Sophomore year in this course is only suggestive. A considerable latitude in choice of subjects will be allowed the student, depending on the medical school he purposes to enter.

Weekly Summary

PRE-MEDICAL COURSE FOR SPECIAL STUDENTS.

Freshman	Hours	Sophomore	Hours
Chemistry	5	Advanced Chemistry	5
Physics	6	Advanced Physics	5
Biology	5	Advanced Biology	6
English, with half hour Elocution	3	English, with half hour Elocution	3
History	2	History	2
Modern Language	2	Modern Language	2
Evidences	2	Evidences	2
	25		25

NEEDS OF THE COLLEGE

The endowment of the College in buildings, educational apparatus and general equipment is of great value. A small productive fund also exists consisting of foundations made from time to time for scholarships. This, however, is as yet comparatively trifling in amount. The ordinary source of income is the fees of the students. A debt of very considerable proportions has been incurred by the erection of the new and splendid College building. The existence and work of the institution would be precarious or impossible were it not for the fact that the President and the other priests, scholastics, and coadjutor brothers of the Society of Jesus give their services without compensation.

It is of the utmost importance that the debt should be rapidly diminished and that the College should be placed in a position to erect the wings originally planned for the structure and to undertake other greatly needed improvements.

For these purposes and for the general development of the College, the President appeals to all graduates, former students, and friends of Catholic education for donations and legacies. The names of donors will be attached to buildings erected or funds established by them.

The most pressing present needs are as follows:

1. The liquidation of the debt on the new College building.

2. The erection of the two wings. Estimated cost about $100,000 each.

3. A central extension to the College building to comprise Chapel, Theatre, and Library—$150,000.

4. A Gymnasium building—$100,000.

5. A fund for the purchase of books for the Faculty and Students' Libraries—$50,000, or any lesser amount as contribution toward the whole. Gifts of books will also be greatly appreciated.

6. A grand-stand, bleachers, and other equipment for the Athletic Field, $8,000.

7. A fund for general expenses. This may be created by the foundation of chairs and scholarships, either perpetual or annual. A perpetual scholarship requires $1,500; an annual scholarship $60.

The legal title of the College, which should be accurately expressed in all legacies and deeds of donation is, "The Canisius College of Buffalo, New York."

ACKNOWLEDGEMENTS

The President and Faculty wish to express their grateful acknowledgments to the following benefactors for their kind donations:

All the Patrons of the Passion Play.

All the Donors of Medals, as specified in the Commencement Exercises.

The Canisius Alumni Sodality, $1,500.00, for a permanent scholarship in the High School and College; $60 for an annual scholarship.

Rev. H. M. Leddy, for a perpetual scholarship in the High School and College, to be known as the "Leddy Scholarship No. 2."

A Friend, $1,000.00 for the St. Michael's perpetual scholarship in the High School and College.

Mr. John L. Pfann, $100.00 for the purchase of a chalice; a pyx for the ostensorium.

Miss Elizabeth J. Krim, Boston, Mass., laces and flowers.

Mr. Maurice L. Ahern, New York, books for Faculty and Students' Libraries; a Victrola and numerous records for the Science Department; two valuable oil paintings; framed photographs for Students' Library; gold medal for the oratorical contest.

Mr. William D. Richards, Winchester, Mass., books for the Faculty Library.

Mrs. Charles E. M. Gross, New York City, books.

Mrs. Carmela Carbone-Valente, books.

Prof. John A. Curtin, M. A., spectroscope attachment for the projection lantern.

Mr. Nicholas Myers, a Tepler-Holtz induction machine.

Dr. Hilary D. Myers, North East, Pa., a set of one hundred microscopical cover slips.

Mr. Joseph Shorp, numerous specimens for the Biological collections.

Miss Louisa Gahm, Boston, Mass., china vases.

The Ladies of St. Ann's Parish, a set of cruets; statue of Our Lady of Lourdes; two candle sticks; laces and altar linen; many bulbs and plants for altar decorations.

The Sisters of Mt. St. Joseph's Academy, one large marine painting.

The Sisters of Mercy, painting.

The Misses Wirtz of Aachen, Germany, two albs; one surplice; amices; collars for stoles.

The Sacred Heart Academy, altar linen.

The Sisters of St. Francis, Pine Street, altar cloths.

The Sisters of St. Francis, Emslie Street, two albs; altar linen.

A Friend, flowers for altar decoration.

Miss Cornelia B. Sage, Director Albright Art Gallery, publications of the Buffalo Fine Arts Academy.

The Hon. Charles Bennett Smith, M. C., for various Government publications.

Mr. John Barrett, Director-General of the Pan-American Union, for Bulletin of the Pan-American Union.

Smithsonian Institute for reports and contributions.

The University of the State of New York, educational documents.

The Honorable Secretaries of the various Departments of the United States Government, Washington, D. C., for Congressional Reports and other publications.

CATALOGUE OF STUDENTS ARRANGED BY CLASSES

POSTGRADUATE

Ahern, Maurice L., A. B...	117	Loring Ave	City
Bergholtz, Edgar A., A. B	291	Jersey St	City
Wylegala, Victor B., A. B.	30	Lathrop St	City

SENIOR

Brown, Thomas Joseph...	138	W. Main St	Batavia, N. Y.
Kionke, Ernest P		Canisius College	City
Mercer, Everett T	33	Bristol St	City
Sander, Aloysius P	124	Rodney St	City
Stegmeier, Alphonse A....	435	Monroe St	City
Sweeney, James P			Attica, N. Y.
Thill, Charles E			Lancaster, N. Y.

JUNIOR

Abel, Walter J	51	Northampton St	City
Barth, Charles G	142	Farmer St	City
Cotter, Stephen V	94	Richfield Ave	City
Culmann, Ernest J	1456	Delaware Ave	City
Dee, Raymond E	798	Elmwood Ave	City
Harrington, Denis C	458	Fillmore Ave	City
Helminiak, Mesco J	252	Walden Ave	City
Hoen, Leo E	219	Gorton St	City
Huebschwerlen, Arthur S..	581	Oak St	City
Kerwin, Francis E	367	Goodyear Ave	City
Kiefer, Edmund J	42	Johnson St	City
Lyons, Edward J	334	Trenton Ave	City
Martina, Ignatius Charles.	53	Carolina St	City
Meegan, William H	343	Hoyt St	City
Nigro, Bartholomew A...	482	Seventh St	City
Ryan, Francis P	15	Elsie Place	City
Sullivan, Michael T	135	West Eagle St	City
Wanamaker, George W...	134	Rodney Ave	City

SPECIAL STUDENTS

Kelly, John J	180	Forest Ave	City
Schaus, Meinrad C	157	East St	City

SOPHOMORE

Beitz, Oliver A..... 400 Herman St.....City
Biesinger, Charles J..... 470 Elm St.....City
Bogacki, Maximilian T...1027 Smith St.....City
Campana, Umberto J..... 126 Glenwood Ave...Medina, N. Y.
Canavan, Edward V.....1306 Niagara Ave.....
.....Niagara Falls, N. Y.
Christman, John H..... 723 Washington St.....City
Collins, Stephen A..... 144 O'Connell Ave.....City
Conlin, Henry E.....South Byron, N. Y.
Cyman, Vincent L..... 110 Helen St.....Doyle, N. Y.
Fitzhenry, Edward J..... 330 Elk St.....City
Janik, Francis J..... 506 Peckham St.....City
Kirchmyer, William G.... 283 Stanton St.....City
Konwinski, Leo A..... 55 Lathrop St.....City
Lutz, William J.....Forks, N. Y.
Lynch, John L.....Andover, N. Y.
Mattimore, Henry L..... 281 Fulton St.....City
Miller, Herbert P..... 310 Ideal St.....City
Mullen, John C..... 273 Niagara St.....
....North Tonawanda, N. Y.
O'Connor, William E..... 50 Hammond Place .....City
Ronan, George J..... 432 Massachusetts Ave.....City
Schwing, Harold J..... 22 Holland Place .....City
Smith, Frank G..... 241 Riley St.....City
Szczepaniak, John J.....1098 Sycamore St.....City
Testa, Angelo F..... 474 2nd St....Niagara Falls, N. Y.
Wozniak, Thaddeus R.... 293 Lovejoy St.....City

Special Students

Burns, Timothy F..... 288 Fourteenth St.....City
Rafferty, Charles F..... 324 Woodward Ave.....City
Dotterweich, Edward J... 379 Genesee St.....City

FRESHMAN A

Brown, Harold F. R..... 300 Front Ave.....City
Cantlin, Eugene J..... 227 Gold St.....City
Cogan, Victor W..... 32 Red Jacket Parkway.....City
Connors, Arthur P..... 75 Hampshire St.....City
Cuviello, Peter W..... 300 Terrace St.....City
Desmond, Charles S..... 103 Plymouth Ave.....City
Dolan, Henry T..... 205 Esser Ave.....City
Donnelly, Harold J..... 372 South Park Ave.....City
Kelly, John J..... 127 Burgard Place .....City

Leddy, Edward F.....	348	Porter Ave.....	City
McFadden, William R.....	348	Porter Ave.....	City
Manning, John F.....	363	West Ave.....	City
Morgana, Dante J.....	477	Seventh St.....	City
Norton, Martin E.....	348	Porter Ave.....	City
O'Rourke, Francis W.....	348	Porter Ave.....	City
Schaefer, Norbert B.....	230	Emslie St.....	City
Schwendler, Edward J....	21	Johnson St.....	City
Sciarrino, Stanley V.....	127	Front Ave.....	City
Tronolone, Pascal J.....	23	State St.....	City

SPECIAL STUDENTS

Barry, Charles F.....	348	Porter Ave.....	City
Bolduc, Emile J.....	348	Porter Ave.....	City
Brassard, Lucien E.....	348	Porter Ave.....	City
Donnelly, John J.....	348	Porter Ave.....	City
Maurus, Joseph M.....	90	Peabody St.....	City
O'Connell, William F ...	348	Porter Ave.....	City

FRESHMAN B

Beaser, Clarence E.....			Lancaster, N. Y.
Biniszkiewicz, Michael F..	177	Lovejoy St.....	City
Bouwhuis, Andrew L.....	579	Abbott Road	City
Carr, Virgil P.....	152	Oxford Ave.....	City
Carroll, Robert Emmett.....			Hornell, N. Y.
Cavagnaro, Richard V....	205	Winslow Ave.....	City
Crowley, John M.....	21	Tennessee St.....	City
Dzimian, Ladislaus F.....	140	Stanislaus St.....	City
Fronczak, Joseph E.....	1390	Broadway	City
Graczyk, Stephen A.....	34	Loepere St.....	City
Hennessy, Arthur D.....	263	Columbia Ave....	Depew, N. Y
Higgins, Edmund W.....	20	Ganson St.....	City
Jankowski, Alexander	62	Germain St.....	City
Kasprzyk, Joseph A.....	14	Loepere St.....	City
Kolb, Engene J.....	18	Camp St.....	City
Kuch, Raymond G.....	27	Oneida St.....	City
Lenahan, George J.....	129	Fulton St.....	City
Leuer, Leo J.....	21	Welker St.....	City
McCormick, Francis W...	91	Central Ave.....	City
McDonough, Leo M.....	5	East Oakwood Place.....	City
McMullen, John F.....	19	Weyand St.....	City
Manzella, Louis G.....	324	Swan St.....	City
Nash, Francis O'D.....	93	Ryan St.....	City
Nugent, John E.....	190	East Utica St.....	City

O'Rourke, Cornelius E...	554	Ellicott St.	City
Pfohl, Roswell E.	288	Jersey St.	City
Ring, Timothy J.	214	Maurice St.	City
Rutecki, Paul	208	Townsend St.	City
Sapienza, Leonard A.	123	William St.	City
Seitz, Joseph F.	926	East Delavan Ave.	City
Speidel, Linus C.	223	Sycamore St.	City

SPECIAL STUDENTS

Deneen, John P.	169	Parkside Ave.	City
Maloney, Louis B.	367	Marilla St.	City

ALPHABETICAL LIST OF STUDENTS

Abel, Walter J.	Junior
Ahern, Maurice L., A. B.	Postgraduate
Barry, Charles F.	Freshman A, Special
Barth, Charles G.	Junior
Beaser, Clarence E.	Freshman, B, Scient.
Beitz, Oliver A.	Sophomore
Bergholtz, Edgar A., A. B.	Postgraduate
Biesinger, Charles J.	Sophomore
Biniszkiewicz, Michael F.	Freshman, B
Bogacki, Maximilian T.	Sophomore
Bolduc, Emile J.	Freshman, A, Special
Bouwhuis, Andrew L.	Freshman, B
Brassard, Lucien E.	Freshman, A, Special
Brown, Harold F. R.	Freshman, A
Brown, Thomas J.	Senior, Scient.
Burns, Timothy F.	Sophomore, Special
Campana, Umberto J.	Sophomore, Scient.
Canavan, Edward V.	Sophomore
Cantlin, Eugene J.	Freshman, A
Carr, Virgil P.	Freshman, B
Carroll, Robert Emmett	Freshman, B, Scient.
Cavagnaro, Richard V.	Freshman, B, Scient.
Christman, John H.	Sophomore
Cogan, Victor W.	Freshman, A
Collins, Stephen A.	Sophomore
Conlin, Henry E.	Sophomore, Scient.
Connors, Arthur P.	Freshman, A

Cotter, Stephen V.....Junior
Crowley, John M.....Freshman, B
Culmann, Ernest J.....Junior
Cuviello, Peter W.....Freshman, A
Cyman, Vincent L.....Sophomore

Dee, Raymond E.....Junior
Deneen, John P.....Freshman, B Spec. Sc.
Desmond, Charles S.....Freshman, A
Dolan, Henry T.....Freshman, A
Donnelly, John J.....Freshman, A, Special
Donnelly, Harold J.....Freshman, A
Dotterweich, Edward J.....Sophomore, Spec. Sc.
Dzimian, Ladislaus F.....Freshman, B

Fitzhenry, Edward J.....Sophomore
Fronczak, Joseph E.....Freshman, B

Graczyk, Stephen A.....Freshman, B

Harrington, Denis C.....Junior
Helminiak, Mesco J.....Junior
Hennessy, Arthur D.....Freshman, B, Scient.
Higgins, Edmund W.....Freshman, B
Hoen, Leo E.....Junior
Huebschwerlen, Arthur S.....Junior

Janik, Francis J.....Sophomore
Jankowski, Alexander.....Freshman, B

Kasprzyk, Joseph A.....Freshman, B
Kelly, John J.....Junior, Special
Kelly, John J.....Freshman, A
Kerwin, Francis E.....Junior
Kiefer, Edmund J.....Junior
Kionke, Ernest P.....Senior
Kirchmyer, William G.....Sophomore
Kolb, Eugene J.....Freshman, B
Konwinski, Leo A.....Sophomore
Kuch, Raymond G.....Freshman, B

Leddy, Edward F.....Freshman, A
Lenahan, George J.....Freshman, B
Leuer, Leo J.....Freshman, B
Lutz, William J.....Sophomore
Lynch, John L.....Sophomore
Lyons, Edward J.....Junior

McCormick, Francis W.....Freshman, B
McDonough, Leo M.....Freshman, B
McFadden, William R.....Freshman, A
McMullen, John F.....Freshman, B
Maloney, Louis B.....Freshman, B Spec. Sc.
Manning, John F.....Freshman, A
Manzella, Louis G.....Freshman, B
Martina, Ignatius Charles.....Junior
Mattimore, Henry L.....Sophomore
Maurus, Joseph M.....Freshman, A, Special
Meegan, William H.....Junior
Mercer, Everett T.....Senior
Miller, Herbert P.....Sophomore
Morgana, Dante J.....Freshman, A
Mullen, John C.....Sophomore

Nash, Francis O'D.....Freshman, B
Nigro, Bartholomew A.....Junior
Norton, Martin E.....Freshman, A
Nugent, John E.....Freshman, B

O'Connell, William F.....Freshman, A, Special
O'Connor, William E.....Sophomore
O'Rourke, Cornelius E.....Freshman, B
O'Rourke, Francis W.....Freshman, A

Pfohl, Roswell E.....Freshman, B, Scient.

Rafferty, Charles F.....Sophomore, Spec. Sc.
Ring, Timothy J.....Freshman, B
Ronan, George J.....Sophomore
Rutecki, Paul .....Freshman, B
Ryan, Francis P.....Junior

Sander, Aloysius P.....Senior
Sapienza, Leonard A.....Freshman, B
Schaefer, Norbert B.....Freshman, A
Schaus, Meinrad C.....Junior, Special
Schwendler, Edward J.....Freshman, A
Schwing, Harold J.....Sophomore, Scient.
Sciarrino, Stanley V.....Freshman, A
Seitz, Joseph F.....Freshman, B
Smith, Frank G.....Sophomore
Speidel, Linus C.....Freshman, B
Stegmeier, Alphonse A.....Senior
Sullivan, Michael F.....Junior
Sweeney, James P.....Senior

Szczepaniak, John J. ..... Sophomore

Testa, Angelo F. ..... Sophomore
Thill, Charles E. ..... Senior
Tronolone, Pascal J. ..... Freshman, A

Wanamaker, George W. ..... Junior
Wozniak, Thaddeus R. ..... Sophomore
Wylegala, Victor B., A. B. ..... Postgraduate

College Organizations

Sodality of the Blessed Virgin Mary

Under the Title of the Purification. Affiliated to the Prima Primaria of the Roman College, January 1, 1896

Director: Rev. Michael J. Ahern, S. J.

OFFICERS:

Prefect, Leo E. Hoen; *First Assistant,* Charles J. Biesinger; *Second Assistant,* Edmund J. Kiefer; *Secretary,* Dante J. Morgana; *Treasurer,* Aloysius P. Sander; *Master of Probationers,* Edward J. Schwendler; *Sacristan,* Charles G. Barth; *Consultors,* T. Joseph Brown, Ignatius Charles Martina, Angelo Testa, Andrew L. Bouwhuis, Leonard A. Sapienza; *Organist,* Max T. Bogacki.

The Canisius Alumni Sodality

Founded June 7, 1896

Not to deprive the students who have left College of the great advantages of the Sodality, and to extend the same as far as possible, the Canisius Alumni Sodality was organized. It consists of members of the liberal professions, college graduates, business men and others who have availed themselves of the opportunities of a higher education. This Sodality, numbering at present about 600 members, has its monthly meetings and communions in the College Chapel. The annual retreat was attended during the past year by more than 1,000 men.

Administration, 1913-1914

Spiritual Director: Rev. F. X. Sindele, S. J., Canisius College.
President: G. J. Zimmermann, 309 Pine St.
First Vice-President: H. J. Doll, M. D., 1124 Genesee St.
Second Vice-President: J. L. Schwartz, 12 N. Pearl St.
Secretary: F. C. Fornes, 534 Main St.
Treasurer: G. D. Fogarty, 846 Clinton St.
Registrar: E. M. Hendrichs, 41 Abbottsford Pl.
Master of Probationers: A. J. Schreiber, 1263 Seneca St.
Organist: E. J. Hens, 288 Hudson St.
Consultors: C. H. DeShon, 499 Ashland Ave.; J. A. Egloff, 506 William St.; A. G. Fries, 570 Riley St.; T. J. Gaffney, 460 Main St.; J. J. Helbling, 424 Swan St.; J. A. Kloepfer, 166 Jewett Ave.; W. E. Mahar, 707 Seventh St.; J. J. Oliver, 225 Seventh St.; F. J. Seereiter, 105 Lancaster Ave.; E. J. Young, 128 Mulberry St.

The Apostleship of Prayer, League of the Sacred Heart

Aggregated June 8, 1890

Canisius College Centre

Director: J. Havens Richards S. J.
Secretary: Edward J. Schwendler, '17

Promoters: Aloysius P. Sander, '14; Leo E. Hoen, '15; George W. Wanamaker, '15; John C. Mullen, '16; Charles J. Biesinger, '16; Henry L. Mattimore, '16; Leonard A. Sapienza, '17; Andrew L. Bouwhuis, '17.

The Canisius Alumni Association

Membership in this organization is open to all graduates of Canisius College and to priests who have finished the Sophomore Class.

Its object is to keep up the friendships of college days, to promote higher Catholic education and to further the interests of Alma Mater and the individual members of this Association.

OFFICERS:

President, William Brennan, Jr., '98, A. B., LL. B.; *Vice-President*, Francis E. Fronczak, '94, A. M., M. D.; *Secretary*, James B. Walsh, '07, A. M., LL. B.; *Treasurer*, George J. Eckel, '03, A. M., M. D.; *Executive Committee*, Rev. George J. Krim, S. J., President of Canisius College; Henry J. Doll, '92, A. M., M. D.; Joseph S. Lewis, '92, A. M., M. .D; Robert T. Bapst, '00, A. M., Ph. D.; Frank J. Boland, '03, A. M.

St. Thomas Philosophical Society

It is the aim of this society, by essays and discussions, to gain a clear insight into the principles of Catholic Philosophy and to apply them to questions of the present day.

Moderator: Rev. Herman J. Maeckel, S. J.

OFFICERS:

First Term—*President*, Aloysius P. Sander; *Vice-President*, Francis E. Kerwin; *Librarian and Treasurer*, Denis C. Harrington; *Secretary*, Everett T. Mercer; *Exercise Committee*, Charles E. Thill, George W. Wanamaker.

Second Term—*President*, Aloysius P. Sander; *Vice-President*, Walter J. Abel; *Librarian and Treasurer*, Aloysius A. Stegmeier; *Secretary*, Everett T. Mercer; *Exercise Committee*, T. Joseph Brown, Bartholomew A. Nigro.

Essays Read During the Year:

"Union of the Body and the Soul." "Freedom of the Will: Arguments For and Against." "Consciousness and Free Will." "Immortality of the Human Soul." "Attitude of Professor James Toward Free Will." "Personality." "Substance and Accident." "Objective Value of the Principle of Causality." "The Existence of God." "The Duel."

Canisius College Debating Society

This Society not only affords opportunity for acquiring facility in public speaking and debate, but aims also at imparting a general knowledge of the political, economical and social questions of the day. Every speech, essay or declamation is followed by frank criticisms from the Director and the members. General discussions give ease and readiness in *extempore* speech. Meetings are held every Tuesday afternoon after class hours.

Moderator: Rev. Francis X. Sindele, S. J.

OFFICERS:

First Term—*President*, Aloysius P. Sander; *Vice-President*, Francis E. Kerwin; *Secretary*, John H. Christman; *Treasurer*, William J. Lutz.

Second Term—*President*, Aloysius P. Sander; *Vice-President*, Francis E. Kerwin; *Secretary*, John H. Christman; *Treasurer*, Charles J. Biesinger.

Debates Held During the Year:

"Resolved: That the trusts should be dissolved."

"Resolved: That the American Navy should be increased."

"Resolved: That the Panama Canal Tolls question should be arbitrated."

"Resolved: That the new currency legislation is beneficial to the United States."

"Resolved: That Chinese Immigration should be forbidden."

"Resolved: That the literacy test is not an adequate test of the desirability of immigrants."

The Dramatic Association of Canisius College

Honorary President: Rev. George J. Krim, S. J., (President of Canisius College)

Director: Rev. M. J. Ahern, S. J.

OFFICERS:

President, Walter J. Abel, '15; *Vice-President,* Herbert P. Miller, '16; *Secretary,* William H. Meegan, '15; *Treasurer,* Richard V. Cavagnaro, '17; *Librarian,* Henry A. Conlin, '16; *Master of Properties,* Maurice L. Ahern, A. B.; *Assistant Manager of Properties,* T. Joseph Brown, '14; *Consulting Electrician,* Professor John A. Curtin, A. M.; *Advisory Board,* Aloysius P. Sander, '14; George W. Wanamaker, '15; John H. Christman, '16; Dante J. Morgana, '17; Edward J. Higgins, '17.

Canisius College Orchestra

Director: Rev. John G. Hacker, S. J.

Members, 20.

Canisius College Glee Club

Director: Rev. John G. Hacker, S. J.

OFFICERS:

President, Edmund J. Kiefer; *Vice-President,* Francis E. Kerwin; *Secretary,* John M. Crowley; *Treasurer,* Edmund W. Higgins; *Librarian,* Leo E. Hoen.

Members, 20.

Students' Library

Librarian, Moorhouse I. X. Millar, S. J., *Assistant Librarians,* George W. Wanamaker, Andrew L. Bouwhuis, Ignatius C. Martina, Edward J. Schwendler.

Athletic Association

Though the College insists above all upon thorough study as the primary object of an educational institution, yet it has always been desirous that its students should devote some time to Athletics as a necessary aid to physical development, there being but one restriction, that athletics in no way interfere with the moral or intellectual well-being of the students. The encouragement of these exercises as a means of physical culture, as well as the promotion of an honorable and generous tone in their conduct, is the object of the Athletic Association.

Moderator: Rev. Charles F. Arnold, S. J.

OFFICERS:

First Term—*President*, Charles E. Thill; *Vice-President*, T. Joseph Brown; *Secretary*, John L. Lynch; *Treasurer*, Henry L. Mattimore.

Second Term—*President*, Charles E. Thill; *Vice-President*, Edward J. Lyons; *Secretary*, Stephen V. Cotter; *Treasurer*, Charles S. Desmond.

Manager of Baseball: William H. Meegan; *Manager of Basketball*: Denis C. Harrington; *Manager of Tennis*: Raymond E. Dee; *Manager of Pool*: Charles G. Barth.

St. John Berchmans' Society

Moderator: Rev. Charles F. Arnold, S. J.
Master of Ceremonies: Leo E. Hoen.
Members, 6.

Public Academic Exercises

To arouse greater interest in study among the students and to call forth greater activity, some specimens of academic work are given by the various classes from time to time during the year.

Public Specimen in Biology

Given by the Senior Class in Biology
at Canisius High School Hall, Tuesday Evening. December 2, 1913

PROGRAM

Ouverture des Marionettes ..... *C. Gurlitt*
CANISIUS COLLEGE ORCHESTRA

1 The Theory of Disease.....
ALOYSIUS P. SANDER.

2 The Transmission of Disease by the Non-biting Flies.....
The Typhoid or the House Fly.....
EVERETT T. MERCER

(a) Praise of Song..... *L. Spohr*
(b) Bendemeer's Stream..... *Moore-Adams*
CANISIUS COLLEGE GLEE CLUB

3 Transmission of Disease by the Biting Flies.....
The Tsetse and the Stable Fly.....
CHARLES E. THILL

4 The Mosquito .....
JAMES P. SWEENEY

Caprice Militaire..... *F. Spindler*
CANISIUS COLLEGE ORCHESTRA

The lectures were illustrated by nearly 200 lantern slides, made especially for the occasion, and by motion pictures.

Lecture :

"Four Great English Cardinals: Wiseman, Manning, Vaughan and Newman' by Wilfrid Ward.
at Twentieth Century Club, January 22, 1914, before the students and the public.

Public Contest in Oratory

by Students of Canisius College, at Canisius High School Hall, Monday Evening, March 16, 1914, at eight o'clock.

PROGRAM

PART ONE.

Overture—Apollo..... *L. P. Laurendeau*
Introductory Address..... *Aloysius P. Sander,* '14
The Future of Our Republic..... *Edmund J. Kiefer,* '15
Liberalism..... *Denis C. Harrington,* '15
The Church and Slavery..... *George W. Wanamaker,* '15
Garcia Moreno..... *Raymond E. Dee,* '15
Intermezzo—Liselotte..... *Leon Adam*

PART TWO.

Catholic Patriotism.....*James P. Sweeney,* '14
The Church and Democracy.....*Walter J. Abel,* '15
Constantine and the Church.....*Richard V. Cavagnaro,* '17
The Future of Ireland.....*William H. Meegan,* '15
Interlude—Sunshine and Showers.....*P. H. Flath*

DECISION OF THE JUDGES.

March—Love and Glory.....*L. O. Smith*

JUDGES: Judge P. J. Keeler, Mr. John J. Hynes, Mr. William F. O'Connell, Mr. Harry Yates, Mr. William G. Justice

Gold Medal awarded to William H. Meegan, '15.

The Passion Play

Given by the Dramatic Association of Canisius College under the direction of Rev. M. J. Ahern, S.J. at the Teck Theatre during week of April 27, 1914. Six evening performances and four matinees. The author of the play is Mr. Clay M. Greene, who wrote it originally for Santa Clara College.

CAST OF THE PASSION PLAY.

Sadoc, Shadrach, Zoribel — Shepherds: T. Joseph Brown, Ignatius C. Martina, Everett T. Mercer
The Angel of the Lord.....Harold J. Schwing
Ammon, Dathian — Emissaries from Herod: Leo E. Hoen, Raymond E. Dee
A Hindoo, An Egyptian, A Persian — Wise Men from the East: Edward J. Schwendler, Ernest T. Culmann, Pascal J. Tronolone
Thamar, Captain in Herod's Palace.....Charles S. Desmond
Archelaus, Son of Herod I., afterwards Herod II...Denis C. Harrington
An Officer in Herod's Palace.....Edward J. Lyons
Athias, a young Publican.....George W. Wanamaker
Jechonias, his Father.....Edmund J. Kiefer
Herod I., King of Judea.....Francis E. Kerwin
Citizens.....Leonard A. Sapienza, Wm. Glaeser, Wm. Lynahan
An Old Man.....Charles J. Biesinger
Joshua, Captain of the Temple Guard.....Stephen V. Cotter
Caiphas, Nathaniel, Annas — High Priests: Aloysius P. Sander, Peter W. Cuviello, Pascal J. Tronolone
Boaz, Esrom, Abiron — Merchants: R. Emmett Carroll, Henry E. Conlin, Andrew L. Bouwhuis
Pontius Pilate, the Roman Governor of Jerusalem.....Walter J. Abel
Alphion, a Soldier of the Temple.....Ernest T. Culmann

THE TWELVE APOSTLES.

Matthew, formerly Athias.....George W. Wanamaker
Judas.....Herbert P. Miller
Thomas.....Edmund W. Higgins
John.....Richard V. Cavagnaro
Andrew.....Victor W. Cogan
Peter.....William H. Meegan
James, the Greater.....John F. Manning
James, the Less.....Clarence Beaser
Philip.....Raymond G. Kuch
Bartholomew.....Harold J. Schwing
Thaddeus.....T. Joseph Brown
Simon.....Everett T. Mercer

Philosophical Disputation

by the Students of the Senior and Junior Classes. Canisius College Hall, Thursday, May 28, 1914.

PROGRAM

PART I.

MUSIC: Petite Suite, *L'ancien Regime*.....*G. Saint-George*

a) Preludio
b) Allemanda
c) Sarabanda
d) Menuetto
e) Bourrée
f) Giga

INSTRUMENTAL QUARTET

DISPUTATION

REV. HERMAN J. MAECKEL, S. J.,
Professor of Philosophy, Presiding

Datur unicuique astantium licentia interrogandi et objiciendi.

DISSERTATIO PRAEVIA.....ERNESTUS P. KIONKE, '14

THESES DEFENDENDAE

E THECDICAEA

I. Deum existere non est immediate notum, et quamquam notum est per se quoad se, non tamen notum est per se quoad nos; quare ex conceptu Dei existentia ejus neque a priori neque a simultaneo demonstrari potest.

II. Afferuntur pro existentia Dei sequentia argumenta:

1. *Metaphysicum*, ex eo quod non omnia entia producta et contingentia esse possunt.
2. *Cosmologicum*, ex existentia mundi.
3. *Teleologicum*, ex ordine mundi.
4. *Biologicum*, ex origine organismorum.
5. *Eudaemonologicum*, ex desiderio beatitudinis nobis innato.
6. *Deontologicum*, ex obligatione recte vivendi cui homo subest.

PART II

CHORUS: a) Prayer to Our Lady.....*Beethoven*
b) Winter Song.....*Bullard*

CANISIUS COLLEGE GLEE CLUB

DISSERTATION: AGNOSTICISM OF HERBERT SPENCER

WALTER J. ABEL, '15

THESES EX ETHICA

I. Homo per veram legem naturalem participat legem aeternam.

II. Homo lege naturali ad Dei cultum tum internum tum externum obligatur.

III. Directa et privata auctoritate suscepta sui ipsius occisio legi naturali repugnat.

IV. Mendacium legi naturali repugnat; aequivocatio vero et restrictio non mere mentalis per se illicita non est.

V. Servato moderamine inculpatae tutelae licet cruente contra injustam aggressionem se defendere usque ad aggressoris occisionem.

VI. Duellum legi naturali repugnat.

ADDRESS: REV. GEORGE J. KRIM, *S. J., Rector*

MARCH: The Great Divide.....*L. Maurice*

INSTRUMENTAL QUARTET

Music under the direction of Rev. John G. Hacker, S. J.

Forty-fourth Annual Commencement

at the Star Theatre, Buffalo

Sunday, June 21, 1914, at eight o'clock P.M.

PROGRAM

The Right Reverend Charles H. Colton, D. D.
Bishop of Buffalo, Presiding.

I.

Processional—Clayton's Grand March.....*C. D. Blake*

Overture—Golden Fleece .....*C. D. Lavalle*
Canisius College Orchestra.

Bachelors' Orations:

Catholic College Education.
Everett T. Mercer, '14.

The Value of Philosophy in the College Curriculum.
James P. Sweeney, '14.

Master's Oration:

The Testimony of History to Catholic Education.
Maurice L. Ahern, A. B.

Selections from Faust.....*C. Gounod*
Canisius College Orchestra.

II.

Conferring of Degrees:

Rev. George J. Krim, S. J., President of Canisius College.

Valedictory.
Aloysius P. Sander, '14.

Award of Honors. ...

Blue Danube Waltzes.....*J. Strauss*
Canisius College Orchestra.

Address to Graduates.
Condé B. Pallen, Ph.D., LL.D.

Canisius College March.....*C. Mischka*
Canisius College Orchestra.

Music under the direction of the
Reverend John G. Hacker, S. J.

Degrees Conferred

Bachelor of Science

THOMAS JOSEPH BROWN.

Bachelor of Arts

ERNEST PAUL KIONKE (*magna cum laude*),
EVERETT THOMAS MERCER,
ALOYSIUS PANTALEON SANDER (*cum laude*),
ALPHONSE ALOYSIUS STEGMEIER,
JAMES PATRICK SWEENEY (*cum laude*).
CHARLES EUGENE THILL (*cum laude*).

Master of Science

EDGAR ALLEN BERGHOLTZ, A. B. (Holy Cross).

THESIS:
The Nephalometric Determination of Chlorine in Chlorides.

Master of Arts

MAURICE LEWIS AHERN, A. B. (Fordham).

THESIS:
The Origin and Scope of the Inquisition.

CLASS OF 1914

ORGANIZATION

President	Aloysius P. Sander
Vice-President	James P. Sweeney
Secretary	Everett T. Mercer
Treasurer	T. Joseph Brown

Award of Honors

SENIOR

The GOLD MEDAL for the best oral examination in Philosophy
(Gift of Mrs. Mary A. Boland)
was awarded to
CHARLES E. THILL

JUNIOR

The GOLD MEDAL for the Highest Class Standing
(Gift of Mr. Joseph G. Schaff)
was awarded to
GEORGE W. WANAMAKER.

PREMIUM
FRANCIS E. KERWIN.

DISTINGUISHED IN

Philosophy .....Ernest J. Culmann, Edmund J. Kiefer, Ignatius Charles Martina, Bartholomew A. Nigro, William H. Meegan.

History .....Ignatius Charles Martina, Charles G. Barth, Walter J. Abel, Leo E. Hoen.

Natural Sciences.....PREMIUM George W. Wanamaker.
DISTINGUISHED Bartholomew A. Nigro.

SOPHOMORE

The GOLD MEDAL for the Highest Class Standing
(Gift of Mr. John H. Lascelles)
was awarded to
CHARLES J. BIESINGER.

PREMIUM
THADDEUS R. WOZNIAK.

DISTINGUISHED IN

Religion .....Max T. Bogacki, Edward V. Canavan, John H. Christman, Vincent L. Cyman, William J. Lutz, Henry L. Mattimore, Herbert P. Miller, Angelo F. Testa.

English .....Edward V. Canavan, John H. Christman, Herbert P. Miller.

History .....Angelo F. Testa, John H. Christman, Edward V. Canavan.

Natural Sciences.....PREMIUM Angelo F. Testa.

FRESHMAN A

The GOLD MEDAL for the Highest Class Standing
(Gift of Mrs. Charles Lautz)
was awarded to
DANTE J. MORGANA.

PREMIUM
PASCAL J. TRONOLONE.

DISTINGUISHED IN

Religion ..... Edward J. Schwendler. Charles S. Desmond, Norbert B. Schaefer, John F. Manning, Stanley V. Sciarrino.

English ..... Charles S. Desmond, Edward J. Schwendler.

Latin ..... Edward J. Schwendler, Martin E. Norton, Charles S. Desmond, John F. Manning.

Greek ..... Edward J. Schwendler, Martin E. Norton, Charles S. Desmond, John F. Manning, Stanley V. Sciarrino.

History ..... Edward J. Schwendler, Martin E. Norton, John F. Manning, Norbert B. Schaefer, Stanley V. Sciarrino, Lucien E. Brassard.

Mathematics ..... PREMIUM : Dante J. Morgana.
DISTINGUISHED
Edward J. Schwendler, Peter W. Cuviello, Charles S. Desmond, Pascal J. Tronolone, Norbert B. Schaefer, Stanley V. Sciarrino.

German ..... PREMIUM Edward J. Schwendler.
DISTINGUISHED
Dante J. Morgana, Charles S. Desmond, Norbert B. Schaefer, Martin E. Norton, Pascal J. Tronolone, John F. Manning.

FRESHMAN B

The GOLD MEDAL for the Highest Class Standing
(Given by Dr. Francis M. O'Gorman)
was awarded to
MICHAEL F. BINISZKIEWICZ.

PREMIUM
ALEXANDER JANKOWSKI,
LOUIS G. MANZELLA (*ex aequo*).

DISTINGUISHED IN

History ..... Andrew L. Bouwhuis, Leonard A. Sapienza.

Mathematics ..... PREMIUM Michael F. Biniszkiewicz.

DISTINGUISHED

Richard V. Cavagnaro, Andrew L. Bouwhuis, Louis G. Manzella.

German ..... DISTINGUISHED

Louis G. Manzella, Michael F. Biniskiewicz.

FRESHMAN, Scientific Course

The GOLD MEDAL for the Highest Class Standing (Gift of Mr. Eugene P. McCormick).
was awarded to
RICHARD V. CAVAGNARO.

DISTINGUISHED IN

Chemistry and Mechanics..Roswell E. Pfohl, F. O'Donnell Nash.

SPECIAL PRIZES

The Gold Medal for Excellence in Debate (offered by the Canisius Alumni Sodality) was not awarded, as no public debate was held this year.

A Special Prize of twenty dollars in gold for the best English Essay on some literary or historical subject (given by Mrs. Henry Vom Berge) was awarded to

GEORGE W. WANAMAKER, '15.

Subject: "The Temporal Power of the Pope."

A Special Prize of twenty dollars in gold for the best Essay on some subject in Chemistry (given by Frank J. Boland, M. A.) was awarded to

ROSWELL E. PFOHL.

Subject: "Methods of Water Purification."

Special Notice

Entrance Examinations and Examinations of Conditioned Students will be held at the College, Tuesday, September 1 and Wednesday, September 2, 1914, from 9 to 12 A. M. and from 1 to 3 P. M.

Registration of New Students, from Monday, August 31.

The College classes will be resumed Thursday, September 3.

It is important that all students should attend promptly on the opening day.

Late comers cannot compete for class honors.

Index

GENERAL INFORMATION:

Calendar 3
Faculty 8
History of College 9
System of Education 10
Outline of Studies 12
General Description of Equipment 14
Equipment of Science Department 15
- Chemistry 15
- Physics 16
- Biology 17
- Geology and Astronomy 18
- The Meteorological Observatory 18
- The College Museum 19
- The Seismological Observatory 19

Recreation and Athletics 19
Sessions and Holidays 20
Admission 20
Leaving the College 21
Examinations and Reports 21
Premiums and Distinctions 22
Scholarships 22
Discipline 23
Terms 24
Arts Course, Requirements for Admission 25
- Course of Studies 27
- Degrees 36
- Postgraduate Courses 36
- Weekly Summary 37
- Schedule of Lectures and Recitations 38

Elective Courses 39
General Science Course, Scope of Course 43
- Requirements for Admission 44
- Outline of Course 45
- Weekly Summary 47
- Schedule of Lectures and Recitations 47

Pre-Medical Course: For Special Students 48
- Outline of Course 48
- Weekly Summary 48

Needs of the College 49
Acknowledgements 50

THE YEARLY RECORD:

Catalogue of Students arranged by Classes 52
Alphabetical List of Students 55
College Organizations 58
Public Academic Exercises 63
Forty-fourth Annual Commencement 66
Conferring of Degrees 67
Award of Honors 68
Special Notice 71

3 0112 105612896